

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001111.D
 Acq On : 27 Dec 2019 20:07
 Operator : SY/MD
 Sample : K6438-03MSD
 Misc : 5.51G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Manual Integrations
 APPROVED

apatel
 12/30/2019 3:36:05 PM

Quant Time: Dec 30 02:47:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	137887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	246571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	219396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	80334	59.07	ug/l	0.00
Spiked Amount			Recovery	=	118.14%	
35) Dibromofluoromethane	7.73	113	83105	57.24	ug/l	0.00
Spiked Amount			Recovery	=	114.48%	
50) Toluene-d8	10.18	98	322600	56.85	ug/l	0.00
Spiked Amount			Recovery	=	113.70%	
62) 4-Bromofluorobenzene	12.48	95	101003	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	49609	41.289	ug/l	99
3) Chloromethane	2.11	50	50986	31.179	ug/l	96
4) Vinyl Chloride	2.25	62	47903	30.164	ug/l	100
5) Bromomethane	2.65	94	35562	34.568	ug/l	92
6) Chloroethane	2.80	64	34175	34.551	ug/l	93
7) Trichlorofluoromethane	3.13	101	88537	38.010	ug/l	98
8) Diethyl Ether	3.53	74	51529	54.195	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	70107	45.820	ug/l	96
10) Methyl Iodide	4.10	142	98246	46.474	ug/l	100
11) Tert butyl alcohol	4.96	59	41609	278.264	ug/l #	88
12) 1,1-Dichloroethene	3.88	96	70425	45.463	ug/l	97
13) Acrolein	3.74	56	10671	57.596	ug/l	98
14) Allyl chloride	4.49	41	108496	45.086	ug/l	98
15) Acrylonitrile	5.18	53	133671	281.300	ug/l	99
16) Acetone	3.96	43	88324	281.919	ug/l	96
17) Carbon Disulfide	4.20	76	182537	36.061	ug/l	97
18) Methyl Acetate	4.48	43	206875	172.112	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	230798	57.727	ug/l	98
20) Methylene Chloride	4.72	84	96401	52.276	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	83302	48.523	ug/l	97
22) Diisopropyl ether	6.13	45	253982	52.216	ug/l #	91
23) Vinyl Acetate	6.09	43	45565m	14.833	ug/l	
24) 1,1-Dichloroethane	6.03	63	144785	50.370	ug/l	99
25) 2-Butanone	7.00	43	151974	276.125	ug/l	95
26) 2,2-Dichloropropane	6.99	77	106004	44.887	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	100147	53.098	ug/l	96
28) Bromochloromethane	7.35	49	70830	63.155	ug/l	92
29) Tetrahydrofuran	7.36	42	104050	265.773	ug/l	93
30) Chloroform	7.52	83	146646	53.953	ug/l	97
31) Cyclohexane	7.79	56	113646	37.599	ug/l	91
32) 1,1,1-Trichloroethane	7.71	97	113306	48.869	ug/l	98
36) 1,1-Dichloropropene	7.92	75	106579	45.309	ug/l	99
37) Ethyl Acetate	7.09	43	38092	29.246	ug/l #	76
38) Carbon Tetrachloride	7.91	117	96692	46.917	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001111.D
 Acq On : 27 Dec 2019 20:07
 Operator : SY/MD
 Sample : K6438-03MSD
 Misc : 5.51G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Manual Integrations
 APPROVED

apatel
 12/30/2019 3:36:05 PM

Quant Time: Dec 30 02:47:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	117688	37.676	ug/l	97
40) Benzene	8.17	78	359464	50.654	ug/l	94
41) Methacrylonitrile	7.33	41	28393m	50.281	ug/l	
42) 1,2-Dichloroethane	8.25	62	91995	54.222	ug/l	100
43) Isopropyl Acetate	8.28	43	90453	37.515	ug/l #	90
44) Trichloroethene	8.94	130	93368	49.935	ug/l	98
45) 1,2-Dichloropropane	9.22	63	92889	52.177	ug/l	98
46) Dibromomethane	9.31	93	52161	56.838	ug/l	99
47) Bromodichloromethane	9.50	83	115000	54.099	ug/l #	95
48) Methyl methacrylate	9.30	41	70478	68.498	ug/l	94
49) 1,4-Dioxane	9.30	88	17817	1327.198	ug/l	89
51) 4-Methyl-2-Pentanone	10.07	43	327124	260.305	ug/l	97
52) Toluene	10.24	92	218456	50.015	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	123956	53.730	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	146588	52.841	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	79697	58.172	ug/l	95
56) Ethyl methacrylate	10.51	69	65023	33.347	ug/l	93
57) 1,3-Dichloropropane	10.79	76	133171	55.455	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	186611	247.785	ug/l	99
59) 2-Hexanone	10.83	43	215424	247.739	ug/l	94
60) Dibromochloromethane	10.99	129	84586	57.800	ug/l	99
61) 1,2-Dibromoethane	11.09	107	73920	56.423	ug/l	98
64) Tetrachloroethene	10.72	164	96240	50.698	ug/l	97
65) Chlorobenzene	11.52	112	234547	51.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	83991	55.926	ug/l	98
67) Ethyl Benzene	11.59	91	404503	49.416	ug/l	97
68) m/p-Xylenes	11.70	106	305612	98.329	ug/l	97
69) o-Xylene	12.03	106	150776	51.565	ug/l	97
70) Styrene	12.04	104	246613	49.602	ug/l	98
71) Bromoform	12.20	173	49458	59.143	ug/l #	98
73) Isopropylbenzene	12.33	105	370308	52.194	ug/l	99
74) N-amyl acetate	12.14	43	14763	7.921	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	86283	61.733	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	71627m	63.373	ug/l	
77) Bromobenzene	12.61	156	91640	57.431	ug/l	95
78) n-propylbenzene	12.67	91	418058	48.358	ug/l	98
79) 2-Chlorotoluene	12.75	91	241675	50.621	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	296754	51.028	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	30158	56.908	ug/l	95
82) 4-Chlorotoluene	12.85	91	247011	49.813	ug/l	97
83) tert-Butylbenzene	13.07	119	249374	51.083	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	290238	49.665	ug/l	98
85) sec-Butylbenzene	13.25	105	331778	46.101	ug/l	100
86) p-Isopropyltoluene	13.36	119	278086	44.656	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	156373	51.026	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	158038	51.121	ug/l	98
89) n-Butylbenzene	13.69	91	246460	39.337	ug/l	99
90) Hexachloroethane	13.95	117	57565	49.065	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	151306	53.523	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	13481	57.650	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
Data File : VY001111.D
Acq On : 27 Dec 2019 20:07
Operator : SY/MD
Sample : K6438-03MSD
Misc : 5.51G/5ML/MSVOA Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DUNR-BF001-01MSD

Manual Integrations
APPROVED

apatel
12/30/2019 3:36:05 PM

Quant Time: Dec 30 02:47:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	77910	40.831	ug/l	99
94) Hexachlorobutadiene	15.11	225	30921	34.054	ug/l	92
95) Naphthalene	15.23	128	231211	51.525	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	70571	41.472	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

