

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001110.D
 Acq On : 27 Dec 2019 19:46
 Operator : SY/MD
 Sample : K6438-02MS
 Misc : 5.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MS

Manual Integrations
 APPROVED

apatel
 12/30/2019 3:36:00 PM

Quant Time: Dec 28 05:24:00 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	257070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	448540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	385214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	152375	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	129271	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	7.73	113	134779	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	10.18	98	547596	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.48	95	159885	42.37	ug/l	0.00
Spiked Amount			Recovery	=	84.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	89829	40.101	ug/l	99
3) Chloromethane	2.12	50	102191	33.519	ug/l	99
4) Vinyl Chloride	2.25	62	113548	38.351	ug/l	98
5) Bromomethane	2.65	94	74138	38.974	ug/l	99
6) Chloroethane	2.79	64	76168	41.305	ug/l	92
7) Trichlorofluoromethane	3.13	101	189051	43.534	ug/l	95
8) Diethyl Ether	3.54	74	87227	49.207	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	130924	45.897	ug/l	98
10) Methyl Iodide	4.10	142	171155	43.427	ug/l	99
11) Tert butyl alcohol	4.97	59	59802	214.515	ug/l	100
12) 1,1-Dichloroethene	3.88	96	132453	45.863	ug/l	95
13) Acrolein	3.73	56	8522	24.672	ug/l	99
14) Allyl chloride	4.49	41	197598	44.043	ug/l	97
15) Acrylonitrile	5.18	53	199749	225.470	ug/l	99
16) Acetone	3.95	43	131657	225.404	ug/l	96
17) Carbon Disulfide	4.20	76	346039	36.668	ug/l	100
18) Methyl Acetate	4.49	43	323656	144.431	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	368401	49.424	ug/l	95
20) Methylene Chloride	4.72	84	166200	48.342	ug/l	93
21) trans-1,2-Dichloroethene	5.22	96	153226	47.874	ug/l	97
22) Diisopropyl ether	6.13	45	434929	47.961	ug/l	91
23) Vinyl Acetate	6.13	43	235126	41.055	ug/l #	71
24) 1,1-Dichloroethane	6.03	63	261500	48.797	ug/l	98
25) 2-Butanone	7.00	43	220749	215.133	ug/l	94
26) 2,2-Dichloropropane	6.99	77	191793	43.561	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	178070	50.641	ug/l	98
28) Bromochloromethane	7.35	49	112255	53.687	ug/l	96
29) Tetrahydrofuran	7.35	42	154971	212.320	ug/l	94
30) Chloroform	7.52	83	259387	51.188	ug/l	97
31) Cyclohexane	7.79	56	208401	36.982	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	207936	48.104	ug/l	99
36) 1,1-Dichloropropene	7.93	75	194857	45.538	ug/l	99
37) Ethyl Acetate	7.08	43	43747	18.464	ug/l	98
38) Carbon Tetrachloride	7.91	117	175184	46.727	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	208365	36.669	ug/l	98
40) Benzene	8.17	78	638372	49.451	ug/l	98
41) Methacrylonitrile	7.32	41	45491m	44.285	ug/l	
42) 1,2-Dichloroethane	8.24	62	150508	48.765	ug/l	99
43) Isopropyl Acetate	8.28	43	112242	25.591	ug/l #	90
44) Trichloroethene	8.94	130	163566	48.089	ug/l	98
45) 1,2-Dichloropropane	9.22	63	158402	48.912	ug/l	95
46) Dibromomethane	9.31	93	82434	49.379	ug/l	97
47) Bromodichloromethane	9.50	83	199038	51.471	ug/l	99
48) Methyl methacrylate	9.30	41	109738	58.630	ug/l	94
49) 1,4-Dioxane	9.30	88	24773	1014.426	ug/l	88
51) 4-Methyl-2-Pentanone	10.07	43	476790	208.563	ug/l	97
52) Toluene	10.24	92	387293	48.743	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	202217	48.184	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	243809	48.313	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	127688	51.234	ug/l	94
56) Ethyl methacrylate	10.51	69	73128	20.617	ug/l	95
57) 1,3-Dichloropropane	10.79	76	211442	48.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	281238	205.283	ug/l	99
59) 2-Hexanone	10.83	43	307291	194.263	ug/l	96
60) Dibromochloromethane	10.99	129	137378	51.604	ug/l	98
61) 1,2-Dibromoethane	11.09	107	115644	48.524	ug/l	100
64) Tetrachloroethene	10.72	164	152074	45.627	ug/l	97
65) Chlorobenzene	11.52	112	396694	49.645	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	138973	52.703	ug/l	98
67) Ethyl Benzene	11.59	91	688268	47.888	ug/l	97
68) m/p-Xylenes	11.70	106	524436	96.101	ug/l	96
69) o-Xylene	12.02	106	257031	50.066	ug/l	96
70) Styrene	12.04	104	409267	46.884	ug/l	99
71) Bromoform	12.20	173	76397	52.032	ug/l #	97
73) Isopropylbenzene	12.33	105	624249	52.941	ug/l	99
74) N-amyl acetate	12.14	43	14854	4.795	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	132897	57.211	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	103171m	54.923	ug/l	
77) Bromobenzene	12.60	156	146255	55.150	ug/l	96
78) n-propylbenzene	12.67	91	710215	49.431	ug/l	100
79) 2-Chlorotoluene	12.75	91	397984	50.158	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	484868	50.165	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	45261	51.388	ug/l	99
82) 4-Chlorotoluene	12.85	91	403486	48.958	ug/l	99
83) tert-Butylbenzene	13.07	119	415577	51.221	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	481651	49.590	ug/l	99
85) sec-Butylbenzene	13.25	105	542644	45.367	ug/l	98
86) p-Isopropyltoluene	13.36	119	440758	42.586	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	243527	47.813	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	247632	48.196	ug/l	99
89) n-Butylbenzene	13.69	91	395003	37.934	ug/l	98
90) Hexachloroethane	13.95	117	95180	48.812	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	230824	49.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	19237	49.498	ug/l	96

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93) 1,2,4-Trichlorobenzene	15.00	180	110914	34.975	ug/l	100
94) Hexachlorobutadiene	15.11	225	44526	29.505	ug/l	98
95) Naphthalene	15.23	128	309000	41.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	98321	34.766	ug/l	98

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

