

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122619\
 Data File : VY001080.D
 Acq On : 26 Dec 2019 18:10
 Operator : SY/MD
 Sample : K6438-03MSD
 Misc : 5.58G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUNR-BF001-01MSD

Manual Integrations
 APPROVED

apatel
 12/27/2019 11:05:01 AM

Quant Time: Dec 27 06:33:06 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	284621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	500474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167761	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	128278	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
35) Dibromofluoromethane	7.74	113	146342	49.66	ug/l	0.01
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.18	98	593379	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.48	95	173809	41.28	ug/l	0.00
Spiked Amount			Recovery	=	82.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	104333	42.068	ug/l	97
3) Chloromethane	2.12	50	132268	39.185	ug/l	98
4) Vinyl Chloride	2.26	62	136100	41.519	ug/l	99
5) Bromomethane	2.65	94	88334	42.213	ug/l	99
6) Chloroethane	2.80	64	92351	45.233	ug/l	94
7) Trichlorofluoromethane	3.13	101	216760	45.083	ug/l	96
8) Diethyl Ether	3.54	74	85118	43.369	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	147217	46.613	ug/l	100
10) Methyl Iodide	4.10	142	193098	44.252	ug/l	99
11) Tert butyl alcohol	4.97	59	49275	159.644	ug/l	100
12) 1,1-Dichloroethene	3.88	96	146791	45.908	ug/l	97
13) Acrolein	3.74	56	14636	38.271	ug/l	98
14) Allyl chloride	4.49	41	224599	45.216	ug/l	98
15) Acrylonitrile	5.18	53	185035	188.644	ug/l	99
16) Acetone	3.96	43	116871	180.721	ug/l	100
17) Carbon Disulfide	4.20	76	384036	36.755	ug/l	98
18) Methyl Acetate	4.49	43	265290	106.925	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	360544	43.688	ug/l	97
20) Methylene Chloride	4.73	84	173803	45.660	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	169490	47.829	ug/l	97
22) Diisopropyl ether	6.13	45	480031	47.811	ug/l	92
23) Vinyl Acetate	6.08	43	131212	20.693	ug/l	100
24) 1,1-Dichloroethane	6.04	63	286765	48.332	ug/l	98
25) 2-Butanone	7.00	43	198855	175.037	ug/l	94
26) 2,2-Dichloropropane	6.99	77	213160	43.728	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	193172	49.618	ug/l	97
28) Bromochloromethane	7.35	49	112099	48.422	ug/l	95
29) Tetrahydrofuran	7.36	42	135967	168.251	ug/l	97
30) Chloroform	7.52	83	276990	49.371	ug/l	98
31) Cyclohexane	7.80	56	246745	39.548	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	230077	48.074	ug/l	99
36) 1,1-Dichloropropene	7.93	75	218529	45.770	ug/l	98
37) Ethyl Acetate	7.09	43	65041	24.602	ug/l	98
38) Carbon Tetrachloride	7.91	117	196796	47.045	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	248376	39.174	ug/l	99
40) Benzene	8.17	78	687914	47.759	ug/l	97
41) Methacrylonitrile	7.34	41	66298m	57.843	ug/l	
42) 1,2-Dichloroethane	8.25	62	151792	44.078	ug/l	100
43) Isopropyl Acetate	8.28	43	141896	28.995	ug/l	94
44) Trichloroethene	8.95	130	180668	47.605	ug/l	98
45) 1,2-Dichloropropane	9.22	63	171504	47.462	ug/l	97
46) Dibromomethane	9.31	93	82916	44.514	ug/l	98
47) Bromodichloromethane	9.50	83	206682	47.902	ug/l	97
48) Methyl methacrylate	9.30	41	95968	45.953	ug/l	97
49) 1,4-Dioxane	9.30	88	18938	695.017	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	448946	176.005	ug/l	99
52) Toluene	10.25	92	423632	47.784	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	208446	44.514	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	259399	46.069	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	122283	43.974	ug/l	93
56) Ethyl methacrylate	10.51	69	107794	27.236	ug/l	99
57) 1,3-Dichloropropane	10.79	76	211925	43.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	294382	192.579	ug/l	100
59) 2-Hexanone	10.83	43	286311	162.218	ug/l	96
60) Dibromochloromethane	10.99	129	136728	46.030	ug/l	99
61) 1,2-Dibromoethane	11.09	107	113006	42.497	ug/l	99
64) Tetrachloroethene	10.72	164	175680	48.915	ug/l	99
65) Chlorobenzene	11.52	112	431476	50.112	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	148149	52.139	ug/l	98
67) Ethyl Benzene	11.59	91	781710	50.475	ug/l	99
68) m/p-Xylenes	11.70	106	586973	99.819	ug/l	99
69) o-Xylene	12.03	106	281996	50.975	ug/l	98
70) Styrene	12.04	104	460009	48.903	ug/l	100
71) Bromoform	12.20	173	70800	44.749	ug/l #	99
73) Isopropylbenzene	12.33	105	716242	55.171	ug/l	99
74) N-amyl acetate	12.14	43	38099	11.171	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	124092	48.521	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	84733m	40.970	ug/l	
77) Bromobenzene	12.61	156	158920	54.430	ug/l	95
78) n-propylbenzene	12.67	91	827057	52.283	ug/l	100
79) 2-Chlorotoluene	12.75	91	459932	52.649	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	566814	53.265	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	42649	43.982	ug/l	97
82) 4-Chlorotoluene	12.85	91	459141	50.602	ug/l	98
83) tert-Butylbenzene	13.07	119	489875	54.841	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	562686	52.620	ug/l	99
85) sec-Butylbenzene	13.25	105	646996	49.131	ug/l	100
86) p-Isopropyltoluene	13.37	119	547547	48.052	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	279040	49.761	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	276504	48.880	ug/l	99
89) n-Butylbenzene	13.69	91	494285	43.114	ug/l	99
90) Hexachloroethane	13.95	117	111656	52.010	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	251293	48.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	16716	39.067	ug/l	96

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93) 1,2,4-Trichlorobenzene	15.00	180	128000	36.661	ug/l	99
94) Hexachlorobutadiene	15.11	225	54980	33.091	ug/l	99
95) Naphthalene	15.23	128	311343	37.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	109712	35.235	ug/l	98

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

