

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003122.D
 Acq On : 07 Jul 2020 13:28
 Operator : SY/MD
 Sample : L3216-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:20:41 PM

Quant Time: Jul 08 04:46:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 04:37:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	405204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	598786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	540224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	296803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	194956	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
35) Dibromofluoromethane	7.72	113	188348	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.18	98	701036	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.48	95	252101	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	14698	4.790	ug/l	94
3) Chloromethane	2.11	50	22401	4.985	ug/l	95
4) Vinyl Chloride	2.26	62	20093	4.584	ug/l	95
5) Bromomethane	2.66	94	16148	5.426	ug/l	99
6) Chloroethane	2.80	64	13825	4.958	ug/l	96
7) Trichlorofluoromethane	3.13	101	29276	4.732	ug/l	96
8) Diethyl Ether	3.54	74	9678	4.563	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	18832	5.098	ug/l	99
10) Methyl Iodide	4.10	142	21134	4.614	ug/l	99
11) Tert butyl alcohol	4.97	59	10506	25.615	ug/l #	91
12) 1,1-Dichloroethene	3.89	96	16751	4.766	ug/l #	72
13) Acrolein	3.74	56	6451	17.512	ug/l	98
14) Allyl chloride	4.49	41	24419	3.979	ug/l	94
15) Acrylonitrile	5.18	53	23495	21.494	ug/l	98
16) Acetone	3.96	43	20123	21.201	ug/l	100
17) Carbon Disulfide	4.20	76	49320	4.392	ug/l	100
18) Methyl Acetate	4.48	43	14404	5.633	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	46941	4.582	ug/l	98
20) Methylene Chloride	4.73	84	33569	6.337	ug/l	89
21) trans-1,2-Dichloroethene	5.22	96	19344	4.865	ug/l	92
22) Diisopropyl ether	6.13	45	51892	3.945	ug/l #	95
23) Vinyl Acetate	6.07	43	157562	17.918	ug/l	98
24) 1,1-Dichloroethane	6.02	63	32727	4.555	ug/l	96
25) 2-Butanone	6.99	43	30953	20.529	ug/l	94
26) 2,2-Dichloropropane	6.99	77	29042	4.449	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	21487	4.818	ug/l	90
28) Bromochloromethane	7.35	49	13512	4.227	ug/l	84
29) Tetrahydrofuran	7.36	42	19589	19.537	ug/l	93
30) Chloroform	7.51	83	32983	4.634	ug/l	97
31) Cyclohexane	7.79	56	35801	5.058	ug/l #	77
32) 1,1,1-Trichloroethane	7.71	97	28443	4.378	ug/l	93
36) 1,1-Dichloropropene	7.92	75	25596	4.438	ug/l	97
37) Ethyl Acetate	7.08	43	13899	4.008	ug/l #	96
38) Carbon Tetrachloride	7.91	117	25643	4.273	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	32617	4.561	ug/l	96
40) Benzene	8.16	78	72839	4.613	ug/l	98
41) Methacrylonitrile	7.32	41	6835	3.690	ug/l #	47
42) 1,2-Dichloroethane	8.24	62	22726	4.549	ug/l	98
43) Isopropyl Acetate	8.28	43	25887	3.927	ug/l	93
44) Trichloroethene	8.94	130	21244	4.629	ug/l	97
45) 1,2-Dichloropropane	9.22	63	17956	4.227	ug/l	99
46) Dibromomethane	9.31	93	10651	4.489	ug/l	96
47) Bromodichloromethane	9.50	83	25671	4.419	ug/l	96
48) Methyl methacrylate	9.30	41	11151	3.716	ug/l	90
49) 1,4-Dioxane	9.30	88	2450	84.589	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	66754	19.591	ug/l	97
52) Toluene	10.24	92	46996	4.728	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	25732	4.224	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	29939	4.298	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	15258	4.628	ug/l	99
56) Ethyl methacrylate	10.51	69	18994	3.980	ug/l	96
57) 1,3-Dichloropropane	10.79	76	25214	4.356	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	52382	21.400	ug/l	97
59) 2-Hexanone	10.83	43	46284	19.433	ug/l	100
60) Dibromochloromethane	10.99	129	19174	4.544	ug/l	96
61) 1,2-Dibromoethane	11.09	107	14408	4.433	ug/l	100
64) Tetrachloroethene	10.72	164	23903	5.228	ug/l	94
65) Chlorobenzene	11.52	112	50952	4.783	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	18389	4.422	ug/l	95
67) Ethyl Benzene	11.59	91	86047	4.415	ug/l	99
68) m/p-Xylenes	11.70	106	66042	9.106	ug/l	98
69) o-Xylene	12.03	106	30778	4.503	ug/l	100
70) Styrene	12.04	104	52247	4.475	ug/l	97
71) Bromoform	12.20	173	12694	4.578	ug/l #	97
73) Isopropylbenzene	12.33	105	84386	4.344	ug/l	99
74) N-amyl acetate	12.14	43	22167	3.505	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	17077	4.356	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	13272m	4.518	ug/l	
77) Bromobenzene	12.61	156	22868	4.592	ug/l	94
78) n-propylbenzene	12.67	91	101743	4.355	ug/l	97
79) 2-Chlorotoluene	12.75	91	57554	4.414	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	72664	4.458	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	5960	3.948	ug/l	94
82) 4-Chlorotoluene	12.86	91	60679	4.470	ug/l	99
83) tert-Butylbenzene	13.07	119	63709	4.451	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	71594	4.359	ug/l	98
85) sec-Butylbenzene	13.25	105	88241	4.473	ug/l	100
86) p-Isopropyltoluene	13.37	119	79887	4.370	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	42649	4.587	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	43326	4.725	ug/l	93
89) n-Butylbenzene	13.69	91	77141	4.411	ug/l	99
90) Hexachloroethane	13.96	117	14596	4.021	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	38280	4.589	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3147	4.535	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	30606	4.937	ug/l	96
94) Hexachlorobutadiene	15.11	225	19410	4.964	ug/l	96
95) Naphthalene	15.23	128	51608	4.558	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	24947	4.635	ug/l	99

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

