

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101421\
 Data File : VY006392.D
 Acq On : 14 Oct 2021 12:55
 Operator : SY/MD
 Sample : M4068-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Oct 15 00:34:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 15 00:34:39 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	137580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	212475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	196698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98174	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	73405	49.850	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.700%
35) Dibromofluoromethane	7.722	113	54222	47.766	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.540%
50) Toluene-d8	10.179	98	224153	47.181	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.360%
62) 4-Bromofluorobenzene	12.483	95	74254	46.008	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.020%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.912	85	3809	2.729	ug/l	98
3) Chloromethane	2.119	50	5058	3.112	ug/l	99
4) Vinyl Chloride	2.259	62	5903	3.277	ug/l	95
5) Bromomethane	2.662	94	3861	3.298	ug/l	99
6) Chloroethane	2.802	64	3124	2.947	ug/l	99
7) Trichlorofluoromethane	3.137	101	6618	2.789	ug/l	89
8) Diethyl Ether	3.528	74	2140	2.731	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.906	101	3260	2.574	ug/l	95
10) Methyl Iodide	4.101	142	3060	2.217	ug/l	98
11) Tert butyl alcohol	4.948	59	2413	18.733	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	3367	2.613	ug/l	94
13) Acrolein	3.729	56	983	11.984	ug/l	87
14) Allyl chloride	4.491	41	5932	2.394	ug/l	98
15) Acrylonitrile	5.174	53	5292	12.838	ug/l	96
16) Acetone	3.954	43	5735	13.945	ug/l	92
17) Carbon Disulfide	4.204	76	10941	2.539	ug/l	98
18) Methyl Acetate	4.485	43	4178	3.013	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	9103	2.419	ug/l	94
20) Methylene Chloride	4.722	84	14417	9.007	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	3744	2.621	ug/l	81
22) Diisopropyl ether	6.119	45	11560	2.358	ug/l #	95
23) Vinyl Acetate	6.064	43	32352	11.010	ug/l	100
24) 1,1-Dichloroethane	6.033	63	6964	2.646	ug/l	95
25) 2-Butanone	7.003	43	6720	11.730	ug/l	99
26) 2,2-Dichloropropane	6.990	77	6167	2.562	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	4225	2.641	ug/l	95
28) Bromochloromethane	7.344	49	2983	2.722	ug/l #	95
29) Tetrahydrofuran	7.356	42	4202	11.612	ug/l	92
30) Chloroform	7.509	83	7058	2.688	ug/l	100
31) Cyclohexane	7.795	56	9305	3.335	ug/l #	68
32) 1,1,1-Trichloroethane	7.704	97	6591	2.719	ug/l	99
36) 1,1-Dichloropropene	7.923	75	5622	2.659	ug/l	99
37) Ethyl Acetate	7.082	43	3269	2.654	ug/l #	94
38) Carbon Tetrachloride	7.911	117	6197	2.776	ug/l	84
39) Methylcyclohexane	9.185	83	6420	2.418	ug/l	93
40) Benzene	8.167	78	15274	2.547	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	1456m	1.823	ug/l	
42) 1,2-Dichloroethane	8.240	62	5343	2.765	ug/l	94
43) Isopropyl Acetate	8.277	43	5433	2.300	ug/l #	94
44) Trichloroethene	8.941	130	4153	2.681	ug/l	100
45) 1,2-Dichloropropane	9.222	63	3761	2.547	ug/l	95
46) Dibromomethane	9.313	93	1880	2.391	ug/l	93
47) Bromodichloromethane	9.502	83	5390	2.663	ug/l	95
48) Methyl methacrylate	9.295	41	2665	2.352	ug/l	96
49) 1,4-Dioxane	9.301	88	478	46.599	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	13851	11.294	ug/l	99
52) Toluene	10.246	92	9583	2.576	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	5495	2.490	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	5981	2.465	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	2881	2.604	ug/l	90
56) Ethyl methacrylate	10.508	69	3589	2.134	ug/l	99
57) 1,3-Dichloropropane	10.788	76	5139	2.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	9888	12.002	ug/l	97
59) 2-Hexanone	10.831	43	9889	11.321	ug/l	98
60) Dibromochloromethane	10.990	129	3321	2.471	ug/l	94
61) 1,2-Dibromoethane	11.093	107	2624	2.505	ug/l	95
64) Tetrachloroethene	10.721	164	4548	2.871	ug/l	96
65) Chlorobenzene	11.514	112	10191	2.615	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.587	131	3756	2.615	ug/l	99
67) Ethyl Benzene	11.593	91	18119	2.466	ug/l	99
68) m/p-Xylenes	11.703	106	13447	4.824	ug/l	95
69) o-Xylene	12.032	106	6619	2.514	ug/l	94
70) Styrene	12.044	104	10267	2.296	ug/l	96
71) Bromoform	12.209	173	2128	2.382	ug/l #	92
73) Isopropylbenzene	12.331	105	16407	2.333	ug/l	99
74) N-amyl acetate	12.142	43	4751	2.177	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	2987	2.352	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	2848m	2.985	ug/l	
77) Bromobenzene	12.611	156	4434	2.689	ug/l	93
78) n-propylbenzene	12.672	91	20966	2.422	ug/l	97
79) 2-Chlorotoluene	12.758	91	12203	2.548	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	14130	2.403	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	1115m	2.296	ug/l	
82) 4-Chlorotoluene	12.855	91	12323	2.487	ug/l	99
83) tert-Butylbenzene	13.075	119	11800	2.347	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	14273	2.458	ug/l	100
85) sec-Butylbenzene	13.251	105	18496	2.435	ug/l	98
86) p-Isopropyltoluene	13.367	119	14997	2.339	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	8417	2.577	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	9146	2.839	ug/l	93
89) n-Butylbenzene	13.696	91	14281	2.344	ug/l	97
90) Hexachloroethane	13.965	117	3177	2.729	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	7613	2.665	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	597	2.467	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	5063	2.682	ug/l	98
94) Hexachlorobutadiene	15.117	225	3283	2.666	ug/l	92
95) Naphthalene	15.233	128	8988	2.397	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	4529	2.707	ug/l	99

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

