

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101421\
 Data File : VY006393.D
 Acq On : 14 Oct 2021 13:18
 Operator : SY/MD
 Sample : M4068-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 15 00:37:12 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	132565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	203990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	191422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	98021	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	69973	49.317	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.640%
35) Dibromofluoromethane	7.722	113	52637	48.298	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.600%
50) Toluene-d8	10.179	98	213874	46.890	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.780%
62) 4-Bromofluorobenzene	12.483	95	72555	46.825	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.660%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	6015	4.473	ug/l	85
3) Chloromethane	2.113	50	7933	5.065	ug/l	98
4) Vinyl Chloride	2.253	62	9662	5.566	ug/l	97
5) Bromomethane	2.656	94	6672	5.914	ug/l	93
6) Chloroethane	2.796	64	5711	5.592	ug/l #	85
7) Trichlorofluoromethane	3.131	101	11753	5.141	ug/l	90
8) Diethyl Ether	3.534	74	3908	5.175	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	6154	5.042	ug/l	97
10) Methyl Iodide	4.095	142	5450	4.097	ug/l	93
11) Tert butyl alcohol	4.948	59	3486	28.087	ug/l #	83
12) 1,1-Dichloroethene	3.881	96	6266	5.047	ug/l	94
13) Acrolein	3.729	56	1572	19.890	ug/l	91
14) Allyl chloride	4.491	41	12250	5.130	ug/l	93
15) Acrylonitrile	5.174	53	8344	21.008	ug/l	97
16) Acetone	3.948	43	9861	24.884	ug/l	97
17) Carbon Disulfide	4.198	76	20891	5.031	ug/l #	95
18) Methyl Acetate	4.479	43	7474	5.593	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	14930	4.118	ug/l	98
20) Methylene Chloride	4.722	84	17116	11.098	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	6067	4.408	ug/l	89
22) Diisopropyl ether	6.125	45	18683	3.955	ug/l	95
23) Vinyl Acetate	6.064	43	53688	18.962	ug/l	98
24) 1,1-Dichloroethane	6.027	63	11244	4.434	ug/l	99
25) 2-Butanone	6.996	43	10944	19.826	ug/l	97
26) 2,2-Dichloropropane	6.984	77	10471	4.515	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	6840	4.437	ug/l	95
28) Bromochloromethane	7.344	49	4751	4.500	ug/l #	92
29) Tetrahydrofuran	7.350	42	7173	20.572	ug/l	97
30) Chloroform	7.515	83	11588	4.581	ug/l	94
31) Cyclohexane	7.795	56	12910	4.803	ug/l #	80
32) 1,1,1-Trichloroethane	7.704	97	10046	4.301	ug/l	99
36) 1,1-Dichloropropene	7.917	75	8889	4.380	ug/l	99
37) Ethyl Acetate	7.082	43	4570	3.865	ug/l #	94
38) Carbon Tetrachloride	7.905	117	9757	4.553	ug/l	98
39) Methylcyclohexane	9.185	83	10438	4.094	ug/l	95
40) Benzene	8.161	78	25719	4.467	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	2904m	3.786	ug/l	
42) 1,2-Dichloroethane	8.246	62	8647	4.661	ug/l	96
43) Isopropyl Acetate	8.271	43	9261	4.084	ug/l #	88
44) Trichloroethene	8.941	130	6877	4.624	ug/l	99
45) 1,2-Dichloropropane	9.222	63	6302	4.446	ug/l	99
46) Dibromomethane	9.307	93	3402	4.507	ug/l	98
47) Bromodichloromethane	9.496	83	8682	4.467	ug/l #	97
48) Methyl methacrylate	9.295	41	4195	3.856	ug/l	95
49) 1,4-Dioxane	9.307	88	774	78.594	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	23033	19.561	ug/l	100
52) Toluene	10.246	92	15766	4.414	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	8832	4.168	ug/l #	88
54) cis-1,3-Dichloropropene	9.929	75	9960	4.275	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	4412	4.154	ug/l	91
56) Ethyl methacrylate	10.508	69	6481	4.015	ug/l	94
57) 1,3-Dichloropropane	10.795	76	8298	4.318	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	15104	19.095	ug/l	97
59) 2-Hexanone	10.831	43	16334	19.477	ug/l	98
60) Dibromochloromethane	10.990	129	5616	4.352	ug/l	100
61) 1,2-Dibromoethane	11.093	107	4225	4.201	ug/l	96
64) Tetrachloroethene	10.721	164	7596	4.927	ug/l	98
65) Chlorobenzene	11.514	112	16400	4.324	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	6086	4.354	ug/l	97
67) Ethyl Benzene	11.593	91	29030	4.061	ug/l	96
68) m/p-Xylenes	11.703	106	22549	8.312	ug/l	92
69) o-Xylene	12.032	106	10603	4.138	ug/l	93
70) Styrene	12.044	104	17546	4.032	ug/l	99
71) Bromoform	12.209	173	3581	4.120	ug/l #	100
73) Isopropylbenzene	12.331	105	27473	3.913	ug/l	100
74) N-amyl acetate	12.142	43	7838	3.597	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	4748	3.744	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	4448m	4.669	ug/l	
77) Bromobenzene	12.605	156	7127	4.329	ug/l	91
78) n-propylbenzene	12.672	91	34220	3.959	ug/l	97
79) 2-Chlorotoluene	12.758	91	19146	4.003	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	22751	3.875	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	1979	4.082	ug/l	93
82) 4-Chlorotoluene	12.855	91	20566	4.158	ug/l	96
83) tert-Butylbenzene	13.075	119	19548	3.895	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	22019	3.798	ug/l	95
85) sec-Butylbenzene	13.251	105	29874	3.938	ug/l	99
86) p-Isopropyltoluene	13.367	119	24884	3.888	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	13670	4.191	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	14058	4.371	ug/l	94
89) n-Butylbenzene	13.696	91	23483	3.861	ug/l	98
90) Hexachloroethane	13.959	117	5106	4.392	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	11962	4.194	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	867	3.589	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	8051	4.272	ug/l	99
94) Hexachlorobutadiene	15.111	225	5246	4.267	ug/l	94
95) Naphthalene	15.233	128	13535	3.615	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	6663	3.989	ug/l	97

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

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