

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012843.D
 Acq On : 07 Mar 2023 14:34
 Operator : KP/MD
 Sample : 01627-01 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 08 00:22:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 08 00:21:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/08/2023
 Supervised By :Mahesh Dadoda 03/08/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	91956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	148784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	133431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	46551	50.987	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.980%			
35) Dibromofluoromethane	7.716	113	42544	47.381	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.760%			
50) Toluene-d8	10.179	98	149501	45.544	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.080%			
62) 4-Bromofluorobenzene	12.483	95	51744	46.702	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	3774	4.164	ug/l	97
3) Chloromethane	2.113	50	5137	4.741	ug/l	96
4) Vinyl Chloride	2.253	62	4176	4.203	ug/l	90
5) Bromomethane	2.649	94	2937	4.865	ug/l	93
6) Chloroethane	2.796	64	2960	4.974	ug/l	99
7) Trichlorofluoromethane	3.125	101	7172	4.346	ug/l	98
8) Diethyl Ether	3.540	74	2658	4.596	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	4318	4.349	ug/l	98
10) Methyl Iodide	4.094	142	4968	3.840	ug/l	99
11) Tert butyl alcohol	4.930	59	4791	37.076	ug/l #	74
12) 1,1-Dichloroethene	3.881	96	4092	4.321	ug/l	91
13) Acrolein	3.729	56	3375	21.099	ug/l	94
14) Allyl chloride	4.478	41	6614	3.781	ug/l	93
15) Acrylonitrile	5.161	53	6913	22.687	ug/l	94
16) Acetone	3.954	43	8817	24.604	ug/l	92
17) Carbon Disulfide	4.198	76	14135	4.385	ug/l	97
18) Methyl Acetate	4.478	43	5211	4.883	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	10690	4.371	ug/l	96
20) Methylene Chloride	4.716	84	11147	8.487	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	4786	4.651	ug/l	96
22) Diisopropyl ether	6.124	45	12608	3.968	ug/l	91
23) Vinyl Acetate	6.057	43	40430	20.481	ug/l	98
24) 1,1-Dichloroethane	6.015	63	8330	4.601	ug/l	98
25) 2-Butanone	6.984	43	11447	25.790	ug/l	94
26) 2,2-Dichloropropane	6.978	77	7944	4.941	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	5032	4.561	ug/l	97
28) Bromochloromethane	7.332	49	2526	3.818	ug/l #	97
29) Tetrahydrofuran	7.350	42	6233	23.283	ug/l	99
30) Chloroform	7.508	83	8675	4.851	ug/l	99
31) Cyclohexane	7.783	56	7931	4.536	ug/l #	65
32) 1,1,1-Trichloroethane	7.703	97	7342	4.540	ug/l	99
36) 1,1-Dichloropropene	7.911	75	5934	3.944	ug/l	96
37) Ethyl Acetate	7.076	43	4386	4.625	ug/l	98
38) Carbon Tetrachloride	7.905	117	6692	4.307	ug/l	97
39) Methylcyclohexane	9.185	83	6600	3.689	ug/l	92
40) Benzene	8.161	78	18584	4.366	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	1995m	3.904	ug/l	
42) 1,2-Dichloroethane	8.240	62	6039	4.719	ug/l	98
43) Isopropyl Acetate	8.277	43	7641	4.516	ug/l	96
44) Trichloroethene	8.941	130	4976	4.434	ug/l	91
45) 1,2-Dichloropropane	9.215	63	4748	4.414	ug/l	96
46) Dibromomethane	9.301	93	2896	4.726	ug/l	99
47) Bromodichloromethane	9.496	83	6362	4.405	ug/l	90
48) Methyl methacrylate	9.295	41	3390	4.348	ug/l	98
49) 1,4-Dioxane	9.295	88	683	86.212	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	19717	21.482	ug/l	97
52) Toluene	10.246	92	11531	4.492	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	6614	4.366	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	7347	4.285	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	3899	4.568	ug/l	97
56) Ethyl methacrylate	10.508	69	4554	4.002	ug/l	99
57) 1,3-Dichloropropane	10.788	76	6609	4.546	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	11128	18.627	ug/l	98
59) 2-Hexanone	10.831	43	13911	20.854	ug/l	100
60) Dibromochloromethane	10.983	129	4696	4.520	ug/l	100
61) 1,2-Dibromoethane	11.093	107	3776	4.593	ug/l	99
64) Tetrachloroethene	10.721	164	4483	4.615	ug/l #	85
65) Chlorobenzene	11.520	112	12422	4.436	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	4715	4.550	ug/l	99
67) Ethyl Benzene	11.593	91	19654	3.992	ug/l	98
68) m/p-Xylenes	11.703	106	14709	7.766	ug/l	97
69) o-Xylene	12.032	106	6942	3.927	ug/l	96
70) Styrene	12.044	104	11988	4.064	ug/l	98
71) Bromoform	12.209	173	3234	4.787	ug/l #	95
73) Isopropylbenzene	12.331	105	17668	3.658	ug/l	100
74) N-amyl acetate	12.142	43	5458	3.591	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	5263	4.847	ug/l	97
76) 1,2,3-Trichloropropane	12.635	75	3315m	4.073	ug/l	
77) Bromobenzene	12.611	156	5061	4.313	ug/l	97
78) n-propylbenzene	12.672	91	23567	3.957	ug/l	99
79) 2-Chlorotoluene	12.757	91	13294	4.017	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	15354	3.852	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	1564	3.982	ug/l	92
82) 4-Chlorotoluene	12.855	91	14023	4.093	ug/l	99
83) tert-Butylbenzene	13.074	119	12740	3.703	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	14458	3.709	ug/l	98
85) sec-Butylbenzene	13.257	105	20181	3.845	ug/l	97
86) p-Isopropyltoluene	13.373	119	15410	3.592	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	10074	4.451	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	9845	4.262	ug/l	88
89) n-Butylbenzene	13.696	91	15445	3.761	ug/l	99
90) Hexachloroethane	13.958	117	3929	4.397	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	8919	4.360	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	897	5.112	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	4845	3.846	ug/l	98
94) Hexachlorobutadiene	15.111	225	3349	4.359	ug/l	96
95) Naphthalene	15.239	128	9118	3.612	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	4516	4.031	ug/l	96

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

