

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013288.D
 Acq On : 13 Apr 2023 12:11
 Operator : KP/MD
 Sample : 02213-01 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Quant Time: Apr 14 04:38:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 14 04:38:17 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	229883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	376440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	337198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	163199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	148446	53.733	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.460%			
35) Dibromofluoromethane	7.710	113	126063	51.728	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.460%			
50) Toluene-d8	10.173	98	464617	51.219	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.440%			
62) 4-Bromofluorobenzene	12.477	95	147175	49.935	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6011	2.905	ug/l	99
3) Chloromethane	2.107	50	8031	3.098	ug/l	97
4) Vinyl Chloride	2.247	62	7281	2.963	ug/l #	86
5) Bromomethane	2.650	94	5596	2.969	ug/l	94
6) Chloroethane	2.790	64	4853	2.928	ug/l	100
7) Trichlorofluoromethane	3.125	101	10989	2.873	ug/l	96
8) Diethyl Ether	3.515	74	4174	3.004	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	6680	2.972	ug/l	94
10) Methyl Iodide	4.082	142	6897	2.502	ug/l #	47
11) Tert butyl alcohol	4.978	59	4944m	11.198	ug/l	
12) 1,1-Dichloroethene	3.875	96	6222	2.876	ug/l #	86
13) Acrolein	3.729	56	4540	13.377	ug/l	89
14) Allyl chloride	4.472	41	11487	2.780	ug/l	90
15) Acrylonitrile	5.161	53	10771	13.488	ug/l	91
16) Acetone	3.948	43	14416	15.177	ug/l	97
17) Carbon Disulfide	4.192	76	20461	2.873	ug/l #	95
18) Methyl Acetate	4.466	43	8847	2.880	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	17010	2.625	ug/l #	86
20) Methylene Chloride	4.704	84	20441	6.932	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	7145	2.893	ug/l	94
22) Diisopropyl ether	6.112	45	20648	2.535	ug/l #	82
23) Vinyl Acetate	6.058	43	64557	12.540	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	12766	2.806	ug/l #	95
25) 2-Butanone	6.984	43	18874	15.518	ug/l #	83
26) 2,2-Dichloropropane	6.972	77	14997	3.675	ug/l	85
27) cis-1,2-Dichloroethene	6.984	96	7504	2.795	ug/l	75
28) Bromochloromethane	7.326	49	5041	2.781	ug/l	92
29) Tetrahydrofuran	7.350	42	10617	14.373	ug/l	94
30) Chloroform	7.502	83	13299	2.889	ug/l	99
31) Cyclohexane	7.777	56	15741	3.768	ug/l #	63
32) 1,1,1-Trichloroethane	7.691	97	11671	2.802	ug/l	96
36) 1,1-Dichloropropene	7.917	75	10476	2.838	ug/l	99
37) Ethyl Acetate	7.063	43	6654	2.236	ug/l #	85
38) Carbon Tetrachloride	7.893	117	11190	2.741	ug/l	94
39) Methylcyclohexane	9.185	83	11235	2.618	ug/l	95
40) Benzene	8.155	78	28373	2.655	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	3572m	2.893	ug/l	
42) 1,2-Dichloroethane	8.234	62	10235	2.825	ug/l	98
43) Isopropyl Acetate	8.271	43	13345	2.700	ug/l	98
44) Trichloroethene	8.935	130	7928	2.880	ug/l	92
45) 1,2-Dichloropropane	9.216	63	7521	2.712	ug/l	91
46) Dibromomethane	9.301	93	4617	2.766	ug/l	95
47) Bromodichloromethane	9.490	83	10374	2.719	ug/l	91
48) Methyl methacrylate	9.289	41	5224	2.301	ug/l	92
49) 1,4-Dioxane	9.301	88	1126m	49.789	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	35796	13.306	ug/l	96
52) Toluene	10.240	92	17621	2.731	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	10235	2.561	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	10852	2.477	ug/l	96
55) 1,1,2-Trichloroethane	10.636	97	6114	2.778	ug/l	94
56) Ethyl methacrylate	10.508	69	7123	2.364	ug/l	90
57) 1,3-Dichloropropane	10.788	76	10036	2.681	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.776	63	16365	13.006	ug/l	99
59) 2-Hexanone	10.831	43	23822	12.178	ug/l	98
60) Dibromochloromethane	10.977	129	7789	2.822	ug/l	89
61) 1,2-Dibromoethane	11.081	107	5837	2.724	ug/l	100
64) Tetrachloroethene	10.715	164	7118	2.992	ug/l	92
65) Chlorobenzene	11.514	112	19885	2.819	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	7613	2.876	ug/l	95
67) Ethyl Benzene	11.593	91	32981	2.685	ug/l	97
68) m/p-Xylenes	11.703	106	24792	5.274	ug/l	100
69) o-Xylene	12.026	106	11294	2.594	ug/l	96
70) Styrene	12.038	104	17631	2.398	ug/l	96
71) Bromoform	12.203	173	4847	2.643	ug/l #	98
73) Isopropylbenzene	12.331	105	30140	2.692	ug/l	98
74) N-amyl acetate	12.142	43	9483	2.374	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	7946	2.873	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	5696m	2.801	ug/l	
77) Bromobenzene	12.605	156	8607	3.075	ug/l	95
78) n-propylbenzene	12.666	91	41143	2.976	ug/l	98
79) 2-Chlorotoluene	12.751	91	24110	3.098	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	26257	2.800	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	2491	2.542	ug/l	93
82) 4-Chlorotoluene	12.849	91	25526	3.111	ug/l	99
83) tert-Butylbenzene	13.075	119	22813	2.835	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	24913	2.730	ug/l	97
85) sec-Butylbenzene	13.251	105	33059	2.748	ug/l	99
86) p-Isopropyltoluene	13.367	119	27193	2.754	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	17568	3.256	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	18095	3.318	ug/l	89
89) n-Butylbenzene	13.690	91	26581	2.815	ug/l	96
90) Hexachloroethane	13.959	117	7305	3.548	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	15114	3.078	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1407	2.802	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	9071	3.108	ug/l	92
94) Hexachlorobutadiene	15.111	225	5240	3.032	ug/l	95
95) Naphthalene	15.233	128	16409	2.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	8293	3.119	ug/l	94

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

