

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014668.D
 Acq On : 17 Jul 2023 13:32
 Operator : SY/MD
 Sample : 03572-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Jul 18 09:24:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 18 09:23:20 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	288002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	473543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	417624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	205981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	165729	50.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.000%			
35) Dibromofluoromethane	7.710	113	155532	51.595	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.200%			
50) Toluene-d8	10.179	98	557519	50.165	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.477	95	208959	49.035	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	10158	4.329	ug/l	91
3) Chloromethane	2.107	50	12928	4.901	ug/l	91
4) Vinyl Chloride	2.241	62	13425	4.554	ug/l	97
5) Bromomethane	2.643	94	11087	5.691	ug/l	88
6) Chloroethane	2.784	64	8142	4.422	ug/l	97
7) Trichlorofluoromethane	3.113	101	19849	4.009	ug/l	100
8) Diethyl Ether	3.527	74	7295	3.960	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	11589	3.819	ug/l	94
10) Methyl Iodide	4.076	142	10727	3.777	ug/l	97
11) Tert butyl alcohol	4.923	59	47474	65.717	ug/l #	97
12) 1,1-Dichloroethene	3.857	96	11168	3.938	ug/l	83
13) Acrolein	3.722	56	6699	19.529	ug/l	100
14) Allyl chloride	4.472	41	18221	3.618	ug/l	94
15) Acrylonitrile	5.155	53	21456	21.123	ug/l	96
16) Acetone	3.942	43	21947	21.103	ug/l	95
17) Carbon Disulfide	4.186	76	30336	3.736	ug/l	97
18) Methyl Acetate	4.466	43	17373	4.353	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	36577	3.970	ug/l	95
20) Methylene Chloride	4.710	84	16436	4.347	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	12638	3.927	ug/l	88
22) Diisopropyl ether	6.112	45	37969	3.709	ug/l	92
23) Vinyl Acetate	6.051	43	113868	18.586	ug/l	96
24) 1,1-Dichloroethane	6.009	63	21919	3.742	ug/l	98
25) 2-Butanone	6.984	43	37151	24.417	ug/l	99
26) 2,2-Dichloropropane	6.972	77	29953	5.365	ug/l	87
27) cis-1,2-Dichloroethene	6.984	96	14112	3.767	ug/l	79
28) Bromochloromethane	7.319	49	10431	4.135	ug/l #	14
29) Tetrahydrofuran	7.350	42	19431	20.740	ug/l	90
30) Chloroform	7.496	83	23852	3.949	ug/l	98
31) Cyclohexane	7.777	56	24536	4.504	ug/l #	70
32) 1,1,1-Trichloroethane	7.697	97	20571	3.784	ug/l	99
36) 1,1-Dichloropropene	7.911	75	18327	4.065	ug/l	98
37) Ethyl Acetate	7.069	43	13594	4.380	ug/l #	95
38) Carbon Tetrachloride	7.892	117	18529	3.888	ug/l	94
39) Methylcyclohexane	9.179	83	21525	3.665	ug/l	95
40) Benzene	8.155	78	49135	3.832	ug/l	97

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41) Methacrylonitrile	7.319	41	7024m	4.400	ug/l	
42) 1,2-Dichloroethane	8.234	62	15799	3.891	ug/l	92
43) Isopropyl Acetate	8.270	43	22031	3.726	ug/l #	94
44) Trichloroethene	8.935	130	13889	3.872	ug/l	99
45) 1,2-Dichloropropane	9.215	63	13092	3.911	ug/l	99
46) Dibromomethane	9.295	93	7806	3.843	ug/l	97
47) Bromodichloromethane	9.496	83	18278	3.818	ug/l	99
48) Methyl methacrylate	9.295	41	10586	3.979	ug/l	94
49) 1,4-Dioxane	9.289	88	2974	89.803	ug/l #	55
51) 4-Methyl-2-Pentanone	10.063	43	64710	20.845	ug/l	93
52) Toluene	10.240	92	32295	3.936	ug/l	91
53) t-1,3-Dichloropropene	10.459	75	19565	3.737	ug/l #	88
54) cis-1,3-Dichloropropene	9.923	75	21565	3.787	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	11324	4.003	ug/l	94
56) Ethyl methacrylate	10.508	69	16667	3.858	ug/l	92
57) 1,3-Dichloropropane	10.788	76	18910	3.875	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	43398	21.562	ug/l	92
59) 2-Hexanone	10.831	43	45421	20.064	ug/l	92
60) Dibromochloromethane	10.983	129	13821	3.985	ug/l	99
61) 1,2-Dibromoethane	11.081	107	11513	4.079	ug/l	98
64) Tetrachloroethene	10.715	164	14105	4.199	ug/l	95
65) Chlorobenzene	11.514	112	35472	3.986	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	12872	3.836	ug/l	96
67) Ethyl Benzene	11.587	91	61579	3.832	ug/l	95
68) m/p-Xylenes	11.697	106	47504	7.745	ug/l	94
69) o-Xylene	12.026	106	23463	3.927	ug/l	96
70) Styrene	12.038	104	37697	3.744	ug/l	98
71) Bromoform	12.203	173	9163	4.029	ug/l #	100
73) Isopropylbenzene	12.325	105	60575	3.756	ug/l	100
74) N-amyl acetate	12.142	43	19719	3.651	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	14147	3.846	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	12482m	4.798	ug/l	
77) Bromobenzene	12.605	156	14016	3.807	ug/l	92
78) n-propylbenzene	12.666	91	71369	3.672	ug/l	99
79) 2-Chlorotoluene	12.751	91	40542	3.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	51427	3.818	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	4823	3.590	ug/l	99
82) 4-Chlorotoluene	12.849	91	42663	3.701	ug/l	100
83) tert-Butylbenzene	13.068	119	45342	3.795	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	50143	3.793	ug/l	99
85) sec-Butylbenzene	13.251	105	65787	3.753	ug/l	100
86) p-Isopropyltoluene	13.367	119	54258	3.791	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	28150	3.929	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	28086	3.912	ug/l	91
89) n-Butylbenzene	13.696	91	50350	3.616	ug/l	96
90) Hexachloroethane	13.958	117	11017	3.748	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	25195	3.838	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	3055	4.343	ug/l	98
93) 1,2,4-Trichlorobenzene	15.001	180	15988	3.837	ug/l	99
94) Hexachlorobutadiene	15.111	225	8943	3.905	ug/l	99
95) Naphthalene	15.233	128	38341	3.949	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	14178	3.828	ug/l	97

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

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