

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014667.D
 Acq On : 17 Jul 2023 13:09
 Operator : SY/MD
 Sample : 03572-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 09:23:34 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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	277798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	463019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	408052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	202070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	170634	53.902	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.800%	
35) Dibromofluoromethane	7.710	113	159407	54.083	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.160%	
50) Toluene-d8	10.173	98	570740	52.522	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.040%	
62) 4-Bromofluorobenzene	12.477	95	214607	51.505	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	6546	2.892	ug/l	92
3) Chloromethane	2.107	50	8655	3.402	ug/l	94
4) Vinyl Chloride	2.247	62	8708	3.063	ug/l	93
5) Bromomethane	2.644	94	7581	4.035	ug/l	88
6) Chloroethane	2.784	64	6084	3.426	ug/l #	84
7) Trichlorofluoromethane	3.119	101	12744	2.669	ug/l	97
8) Diethyl Ether	3.521	74	5075	2.856	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.893	101	7481	2.556	ug/l	97
10) Methyl Iodide	4.088	142	7496	2.737	ug/l	96
11) Tert butyl alcohol	4.911	59	37692	54.093	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	7696	2.813	ug/l	93
13) Acrolein	3.723	56	3904	11.799	ug/l	88
14) Allyl chloride	4.466	41	11006	2.266	ug/l	94
15) Acrylonitrile	5.155	53	14136	14.428	ug/l	98
16) Acetone	3.936	43	16673	16.621	ug/l	98
17) Carbon Disulfide	4.186	76	21781	2.781	ug/l #	94
18) Methyl Acetate	4.466	43	12488	3.244	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	25814	2.905	ug/l	95
20) Methylene Chloride	4.704	84	22666	6.215	ug/l #	87
21) trans-1,2-Dichloroethene	5.210	96	8377	2.698	ug/l	95
22) Diisopropyl ether	6.119	45	24999	2.532	ug/l	89
23) Vinyl Acetate	6.051	43	75798	12.826	ug/l	98
24) 1,1-Dichloroethane	6.009	63	15223	2.694	ug/l	99
25) 2-Butanone	6.978	43	28072	19.128	ug/l	96
26) 2,2-Dichloropropane	6.966	77	23273	4.322	ug/l	85
27) cis-1,2-Dichloroethene	6.984	96	10012	2.771	ug/l	71
28) Bromochloromethane	7.332	49	5600	2.301	ug/l	88
29) Tetrahydrofuran	7.344	42	13814	15.286	ug/l	94
30) Chloroform	7.496	83	16571	2.844	ug/l	96
31) Cyclohexane	7.777	56	18098	3.444	ug/l #	66
32) 1,1,1-Trichloroethane	7.697	97	14529	2.771	ug/l	96
36) 1,1-Dichloropropene	7.917	75	11143	2.528	ug/l	94
37) Ethyl Acetate	7.070	43	8446	2.783	ug/l #	85
38) Carbon Tetrachloride	7.899	117	12182	2.614	ug/l	99
39) Methylcyclohexane	9.179	83	13983	2.435	ug/l	98
40) Benzene	8.155	78	35035	2.795	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	4094	2.623	ug/l #	67
42) 1,2-Dichloroethane	8.234	62	11638	2.932	ug/l	91
43) Isopropyl Acetate	8.271	43	16091	2.783	ug/l	98
44) Trichloroethene	8.935	130	9507	2.710	ug/l	92
45) 1,2-Dichloropropane	9.209	63	8838	2.700	ug/l	93
46) Dibromomethane	9.301	93	5437	2.738	ug/l	95
47) Bromodichloromethane	9.490	83	12559	2.683	ug/l	95
48) Methyl methacrylate	9.289	41	6878	2.644	ug/l #	89
49) 1,4-Dioxane	9.289	88	1865	57.595	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	43531	14.342	ug/l	92
52) Toluene	10.240	92	21710	2.706	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	13555	2.648	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	14941	2.684	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	8035	2.905	ug/l #	89
56) Ethyl methacrylate	10.508	69	10752	2.546	ug/l	93
57) 1,3-Dichloropropane	10.788	76	12945	2.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	24320	12.358	ug/l	95
59) 2-Hexanone	10.825	43	31154	14.075	ug/l	91
60) Dibromochloromethane	10.983	129	9560	2.819	ug/l	98
61) 1,2-Dibromoethane	11.087	107	7877	2.854	ug/l	100
64) Tetrachloroethene	10.715	164	9516	2.900	ug/l	99
65) Chlorobenzene	11.514	112	24673	2.837	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	8779	2.678	ug/l	97
67) Ethyl Benzene	11.587	91	42897	2.732	ug/l	99
68) m/p-Xylenes	11.703	106	33364	5.567	ug/l	93
69) o-Xylene	12.026	106	16233	2.781	ug/l	98
70) Styrene	12.038	104	27016	2.746	ug/l	98
71) Bromoform	12.203	173	6213	2.796	ug/l #	99
73) Isopropylbenzene	12.325	105	42273	2.672	ug/l	99
74) N-amyl acetate	12.142	43	12990	2.451	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	10214	2.831	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	8606m	3.372	ug/l	
77) Bromobenzene	12.605	156	9540	2.641	ug/l	92
78) n-propylbenzene	12.666	91	46575	2.443	ug/l	97
79) 2-Chlorotoluene	12.751	91	27808	2.532	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	35897	2.717	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	3419	2.594	ug/l	90
82) 4-Chlorotoluene	12.849	91	29105	2.573	ug/l	100
83) tert-Butylbenzene	13.068	119	30039	2.563	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	35553	2.742	ug/l	100
85) sec-Butylbenzene	13.251	105	43715	2.542	ug/l	99
86) p-Isopropyltoluene	13.367	119	36313	2.587	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	19948	2.838	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	20544	2.917	ug/l	91
89) n-Butylbenzene	13.690	91	33706	2.468	ug/l	96
90) Hexachloroethane	13.959	117	7456	2.586	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	17896	2.779	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.349	75	2113	3.062	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	11810	2.889	ug/l	99
94) Hexachlorobutadiene	15.111	225	6117	2.723	ug/l	99
95) Naphthalene	15.233	128	29248	3.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	10937	3.010	ug/l	95

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

