

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014643.D
 Acq On : 14 Jul 2023 13:27
 Operator : SY/MD
 Sample : 03572-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Jul 15 02:22:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 15 02:20:17 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	275584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	466873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	408434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	198066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	165495	52.699	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.400%			
35) Dibromofluoromethane	7.710	113	152955	51.465	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.179	98	541846	49.451	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.900%			
62) 4-Bromofluorobenzene	12.477	95	202106	48.105	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	9985	4.447	ug/l	89
3) Chloromethane	2.107	50	11876	4.706	ug/l	97
4) Vinyl Chloride	2.241	62	13208	4.683	ug/l	97
5) Bromomethane	2.631	94	10388	5.573	ug/l	97
6) Chloroethane	2.784	64	8600	4.881	ug/l	96
7) Trichlorofluoromethane	3.113	101	20076	4.238	ug/l	95
8) Diethyl Ether	3.521	74	7919	4.493	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	11981	4.126	ug/l	95
10) Methyl Iodide	4.082	142	9958	3.665	ug/l	96
11) Tert butyl alcohol	4.923	59	38768	56.084	ug/l	98
12) 1,1-Dichloroethene	3.863	96	11671	4.301	ug/l	83
13) Acrolein	3.722	56	4642	14.142	ug/l	91
14) Allyl chloride	4.466	41	20474	4.249	ug/l	97
15) Acrylonitrile	5.155	53	23750	24.435	ug/l	98
16) Acetone	3.942	43	23720	23.836	ug/l #	88
17) Carbon Disulfide	4.186	76	29482	3.795	ug/l	96
18) Methyl Acetate	4.472	43	22984	6.018	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	41185	4.672	ug/l	95
20) Methylene Chloride	4.710	84	25381	7.015	ug/l	90
21) trans-1,2-Dichloroethene	5.204	96	13160	4.273	ug/l #	86
22) Diisopropyl ether	6.112	45	42243	4.312	ug/l	99
23) Vinyl Acetate	6.051	43	115905	19.771	ug/l	95
24) 1,1-Dichloroethane	6.009	63	23961	4.275	ug/l	97
25) 2-Butanone	6.978	43	37693	25.890	ug/l	100
26) 2,2-Dichloropropane	6.978	77	26062	4.878	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	15637	4.362	ug/l	95
28) Bromochloromethane	7.325	49	9554	3.958	ug/l	97
29) Tetrahydrofuran	7.344	42	23092	25.759	ug/l	92
30) Chloroform	7.496	83	25251	4.368	ug/l	96
31) Cyclohexane	7.783	56	24907	4.778	ug/l #	66
32) 1,1,1-Trichloroethane	7.691	97	21976	4.224	ug/l	99
36) 1,1-Dichloropropene	7.911	75	18272	4.111	ug/l	96
37) Ethyl Acetate	7.069	43	14813	4.841	ug/l #	91
38) Carbon Tetrachloride	7.899	117	19339	4.116	ug/l	99
39) Methylcyclohexane	9.179	83	22158	3.827	ug/l	97
40) Benzene	8.155	78	52724	4.171	ug/l	100

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41) Methacrylonitrile	7.313	41	6896m	4.381	ug/l	
42) 1,2-Dichloroethane	8.228	62	17674	4.415	ug/l	92
43) Isopropyl Acetate	8.270	43	26618	4.566	ug/l #	96
44) Trichloroethene	8.935	130	15258	4.314	ug/l	99
45) 1,2-Dichloropropane	9.209	63	13746	4.165	ug/l	99
46) Dibromomethane	9.301	93	8641	4.315	ug/l	97
47) Bromodichloromethane	9.490	83	20066	4.252	ug/l	93
48) Methyl methacrylate	9.289	41	11285	4.302	ug/l	91
49) 1,4-Dioxane	9.295	88	3230	98.926	ug/l #	45
51) 4-Methyl-2-Pentanone	10.069	43	70436	23.014	ug/l	94
52) Toluene	10.240	92	34573	4.274	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	22216	4.304	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	23496	4.185	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	12879	4.617	ug/l	92
56) Ethyl methacrylate	10.508	69	19232	4.516	ug/l	89
57) 1,3-Dichloropropane	10.788	76	20498	4.261	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	44892	22.623	ug/l	92
59) 2-Hexanone	10.831	43	50308	22.540	ug/l	90
60) Dibromochloromethane	10.977	129	14425	4.218	ug/l	96
61) 1,2-Dibromoethane	11.087	107	11972	4.303	ug/l	98
64) Tetrachloroethene	10.715	164	14920	4.542	ug/l	94
65) Chlorobenzene	11.514	112	36993	4.250	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	14121	4.303	ug/l	95
67) Ethyl Benzene	11.587	91	66784	4.250	ug/l	99
68) m/p-Xylenes	11.697	106	51267	8.546	ug/l	96
69) o-Xylene	12.026	106	24995	4.278	ug/l	99
70) Styrene	12.038	104	42465	4.312	ug/l	97
71) Bromoform	12.203	173	9800	4.406	ug/l #	98
73) Isopropylbenzene	12.325	105	63930	4.122	ug/l	99
74) N-amyl acetate	12.142	43	22931	4.415	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	15408	4.357	ug/l	91
76) 1,2,3-Trichloropropane	12.629	75	11649m	4.657	ug/l	
77) Bromobenzene	12.605	156	15539	4.389	ug/l	92
78) n-propylbenzene	12.666	91	76243	4.080	ug/l	98
79) 2-Chlorotoluene	12.751	91	44626	4.146	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	54965	4.244	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	5698	4.410	ug/l	92
82) 4-Chlorotoluene	12.849	91	46142	4.162	ug/l	100
83) tert-Butylbenzene	13.068	119	47750	4.156	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	54765	4.309	ug/l	98
85) sec-Butylbenzene	13.251	105	68865	4.086	ug/l	98
86) p-Isopropyltoluene	13.367	119	57574	4.184	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	30474	4.423	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	30773	4.457	ug/l	93
89) n-Butylbenzene	13.696	91	53994	4.033	ug/l	98
90) Hexachloroethane	13.958	117	11815	4.180	ug/l	85
91) 1,2-Dichlorobenzene	13.733	146	28312	4.485	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3181	4.703	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	17188	4.289	ug/l	98
94) Hexachlorobutadiene	15.111	225	8913	4.048	ug/l	99
95) Naphthalene	15.233	128	41844	4.482	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	15604	4.382	ug/l	98

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

