

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014642.D
 Acq On : 14 Jul 2023 13:04
 Operator : SY/MD
 Sample : 03572-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 15 02:21:13 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	302015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	502150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	445408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	216108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	168230	48.882	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.760%		
35) Dibromofluoromethane	7.710	113	154130	48.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.440%		
50) Toluene-d8	10.173	98	564897	47.933	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.860%		
62) 4-Bromofluorobenzene	12.477	95	211869	46.886	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6861	2.788	ug/l	94
3) Chloromethane	2.107	50	8073	2.919	ug/l	100
4) Vinyl Chloride	2.241	62	8273	2.676	ug/l	99
5) Bromomethane	2.638	94	7231	3.540	ug/l	95
6) Chloroethane	2.778	64	5225	2.706	ug/l	91
7) Trichlorofluoromethane	3.113	101	13289	2.560	ug/l	100
8) Diethyl Ether	3.522	74	5022	2.600	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.887	101	7999	2.514	ug/l	96
10) Methyl Iodide	4.076	142	6752	2.267	ug/l	96
11) Tert butyl alcohol	4.918	59	34422	45.439	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	7766	2.611	ug/l	88
13) Acrolein	3.723	56	3653	10.155	ug/l	85
14) Allyl chloride	4.466	41	12757	2.416	ug/l	94
15) Acrylonitrile	5.155	53	15309	14.372	ug/l	98
16) Acetone	3.948	43	16949	15.541	ug/l	99
17) Carbon Disulfide	4.180	76	19156	2.250	ug/l #	94
18) Methyl Acetate	4.473	43	13955	3.334	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	25587	2.649	ug/l	94
20) Methylene Chloride	4.704	84	17097	4.312	ug/l	91
21) trans-1,2-Dichloroethene	5.204	96	8633	2.558	ug/l	93
22) Diisopropyl ether	6.119	45	27083	2.523	ug/l #	89
23) Vinyl Acetate	6.052	43	73071	11.373	ug/l	99
24) 1,1-Dichloroethane	6.009	63	15787	2.570	ug/l #	91
25) 2-Butanone	6.978	43	25847	16.200	ug/l	97
26) 2,2-Dichloropropane	6.978	77	20133	3.439	ug/l	90
27) cis-1,2-Dichloroethene	6.978	96	10546	2.684	ug/l	92
28) Bromochloromethane	7.326	49	6190	2.340	ug/l	97
29) Tetrahydrofuran	7.344	42	14507	14.766	ug/l	95
30) Chloroform	7.503	83	16602	2.621	ug/l	95
31) Cyclohexane	7.777	56	18983	3.323	ug/l #	54
32) 1,1,1-Trichloroethane	7.698	97	15011	2.633	ug/l	94
36) 1,1-Dichloropropene	7.911	75	11576	2.422	ug/l	96
37) Ethyl Acetate	7.064	43	8980	2.728	ug/l #	84
38) Carbon Tetrachloride	7.893	117	12700	2.513	ug/l	99
39) Methylcyclohexane	9.179	83	15530	2.494	ug/l	99
40) Benzene	8.155	78	34560	2.542	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	3456	2.041	ug/l #	75
42) 1,2-Dichloroethane	8.228	62	11373	2.642	ug/l	88
43) Isopropyl Acetate	8.271	43	16397	2.615	ug/l	92
44) Trichloroethene	8.929	130	9864	2.593	ug/l	89
45) 1,2-Dichloropropane	9.210	63	9251	2.606	ug/l	99
46) Dibromomethane	9.301	93	5791	2.689	ug/l	94
47) Bromodichloromethane	9.490	83	13055	2.572	ug/l	96
48) Methyl methacrylate	9.289	41	6652	2.358	ug/l #	87
49) 1,4-Dioxane	9.289	88	1754	49.946	ug/l #	36
51) 4-Methyl-2-Pentanone	10.063	43	45851	13.929	ug/l	92
52) Toluene	10.240	92	22489	2.585	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	14024	2.526	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	15153	2.510	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	8274	2.758	ug/l	94
56) Ethyl methacrylate	10.508	69	12098	2.641	ug/l	90
57) 1,3-Dichloropropane	10.789	76	13894	2.685	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	22532	10.557	ug/l	94
59) 2-Hexanone	10.831	43	32670	13.609	ug/l	90
60) Dibromochloromethane	10.977	129	9515	2.587	ug/l	99
61) 1,2-Dibromoethane	11.081	107	8169	2.730	ug/l	99
64) Tetrachloroethene	10.715	164	10051	2.806	ug/l	88
65) Chlorobenzene	11.514	112	24904	2.624	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	8963	2.505	ug/l	94
67) Ethyl Benzene	11.587	91	44768	2.612	ug/l	99
68) m/p-Xylenes	11.697	106	33839	5.173	ug/l	99
69) o-Xylene	12.026	106	16738	2.627	ug/l	99
70) Styrene	12.044	104	27981	2.606	ug/l	97
71) Bromoform	12.209	173	6231	2.569	ug/l #	97
73) Isopropylbenzene	12.325	105	44239	2.614	ug/l	99
74) N-amyl acetate	12.142	43	14040	2.477	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	10630	2.755	ug/l	93
76) 1,2,3-Trichloropropane	12.630	75	7198m	2.637	ug/l	
77) Bromobenzene	12.605	156	9929	2.571	ug/l	89
78) n-propylbenzene	12.666	91	52275	2.564	ug/l	99
79) 2-Chlorotoluene	12.752	91	29962	2.551	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	37445	2.650	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	3601	2.554	ug/l	96
82) 4-Chlorotoluene	12.849	91	30557	2.526	ug/l	99
83) tert-Butylbenzene	13.069	119	32409	2.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	36513	2.633	ug/l	99
85) sec-Butylbenzene	13.251	105	47500	2.583	ug/l	99
86) p-Isopropyltoluene	13.367	119	38841	2.587	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	20244	2.693	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	20663	2.743	ug/l	88
89) n-Butylbenzene	13.690	91	37029	2.535	ug/l	97
90) Hexachloroethane	13.959	117	7872	2.553	ug/l	84
91) 1,2-Dichlorobenzene	13.733	146	17909	2.600	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2278	3.087	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	11857	2.712	ug/l	98
94) Hexachlorobutadiene	15.105	225	6429	2.676	ug/l	96
95) Naphthalene	15.233	128	29313	2.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	10645	2.740	ug/l	99

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

