

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014632.D
 Acq On : 13 Jul 2023 17:12
 Operator : SY/MD
 Sample : 03572-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Quant Time: Jul 14 07:23:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 07:22:06 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	301902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	504565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	450071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	220903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	171766	49.928	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.860%		
35) Dibromofluoromethane	7.710	113	158484	49.342	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.680%		
50) Toluene-d8	10.173	98	577477	48.766	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.540%		
62) 4-Bromofluorobenzene	12.477	95	219524	48.347	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	15663	6.368	ug/l	93
3) Chloromethane	2.107	50	16545	5.984	ug/l	91
4) Vinyl Chloride	2.241	62	18177	5.882	ug/l	97
5) Bromomethane	2.637	94	13564	6.642	ug/l	87
6) Chloroethane	2.784	64	11717	6.070	ug/l	98
7) Trichlorofluoromethane	3.113	101	28359	5.464	ug/l	96
8) Diethyl Ether	3.521	74	10817	5.602	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.881	101	16433	5.166	ug/l	95
10) Methyl Iodide	4.076	142	15084	5.067	ug/l	97
11) Tert butyl alcohol	4.930	59	39753	52.496	ug/l #	89
12) 1,1-Dichloroethene	3.857	96	16631	5.594	ug/l	91
13) Acrolein	3.716	56	13202	36.715	ug/l	93
14) Allyl chloride	4.466	41	28180	5.338	ug/l	95
15) Acrylonitrile	5.155	53	28982	27.219	ug/l	98
16) Acetone	3.942	43	28114	25.788	ug/l	99
17) Carbon Disulfide	4.180	76	47334	5.561	ug/l	96
18) Methyl Acetate	4.472	43	24360	5.823	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	52227	5.408	ug/l	97
20) Methylene Chloride	4.698	84	35108	8.857	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	19086	5.657	ug/l	91
22) Diisopropyl ether	6.112	45	57976	5.402	ug/l	92
23) Vinyl Acetate	6.051	43	167142	26.025	ug/l	95
24) 1,1-Dichloroethane	6.009	63	33103	5.391	ug/l	99
25) 2-Butanone	6.978	43	44958	28.188	ug/l	99
26) 2,2-Dichloropropane	6.972	77	34367	5.872	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	20822	5.302	ug/l	92
28) Bromochloromethane	7.326	49	14527	5.493	ug/l	94
29) Tetrahydrofuran	7.344	42	27022	27.515	ug/l	94
30) Chloroform	7.502	83	33867	5.348	ug/l	97
31) Cyclohexane	7.777	56	35806	6.270	ug/l #	75
32) 1,1,1-Trichloroethane	7.691	97	30680	5.383	ug/l	98
36) 1,1-Dichloropropene	7.911	75	24921	5.188	ug/l	97
37) Ethyl Acetate	7.063	43	17004	5.142	ug/l #	89
38) Carbon Tetrachloride	7.893	117	27117	5.341	ug/l	92
39) Methylcyclohexane	9.179	83	33243	5.312	ug/l	98
40) Benzene	8.155	78	73726	5.397	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	8601	5.056	ug/l #	90
42) 1,2-Dichloroethane	8.234	62	23718	5.483	ug/l	91
43) Isopropyl Acetate	8.270	43	32963	5.232	ug/l	95
44) Trichloroethene	8.935	130	20877	5.462	ug/l	98
45) 1,2-Dichloropropane	9.209	63	18711	5.245	ug/l	95
46) Dibromomethane	9.295	93	11656	5.386	ug/l	94
47) Bromodichloromethane	9.490	83	27134	5.320	ug/l	100
48) Methyl methacrylate	9.289	41	14799	5.221	ug/l	93
49) 1,4-Dioxane	9.295	88	3775	106.981	ug/l #	25
51) 4-Methyl-2-Pentanone	10.063	43	90612	27.395	ug/l	94
52) Toluene	10.240	92	46948	5.371	ug/l	91
53) t-1,3-Dichloropropene	10.459	75	28235	5.061	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	31851	5.250	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	16020	5.314	ug/l	95
56) Ethyl methacrylate	10.502	69	24075	5.231	ug/l	93
57) 1,3-Dichloropropane	10.788	76	27051	5.203	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	59770	27.871	ug/l	96
59) 2-Hexanone	10.831	43	63984	26.526	ug/l	93
60) Dibromochloromethane	10.977	129	19463	5.266	ug/l	99
61) 1,2-Dibromoethane	11.081	107	16185	5.382	ug/l	98
64) Tetrachloroethene	10.715	164	20640	5.702	ug/l	97
65) Chlorobenzene	11.514	112	49699	5.182	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	18880	5.221	ug/l	99
67) Ethyl Benzene	11.587	91	90987	5.254	ug/l	97
68) m/p-Xylenes	11.697	106	68751	10.401	ug/l	97
69) o-Xylene	12.026	106	34229	5.316	ug/l	95
70) Styrene	12.038	104	57421	5.292	ug/l	98
71) Bromoform	12.203	173	13166	5.371	ug/l #	96
73) Isopropylbenzene	12.325	105	89525	5.176	ug/l	99
74) N-amyl acetate	12.142	43	29745	5.135	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	20252	5.134	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	14215m	5.095	ug/l	
77) Bromobenzene	12.605	156	20627	5.224	ug/l	92
78) n-propylbenzene	12.666	91	106147	5.093	ug/l	100
79) 2-Chlorotoluene	12.751	91	60343	5.026	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	73631	5.097	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	7153	4.964	ug/l	93
82) 4-Chlorotoluene	12.849	91	61595	4.982	ug/l	99
83) tert-Butylbenzene	13.068	119	64754	5.053	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	73802	5.206	ug/l	99
85) sec-Butylbenzene	13.251	105	96254	5.121	ug/l	100
86) p-Isopropyltoluene	13.367	119	79365	5.171	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	40213	5.233	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	41260	5.358	ug/l	94
89) n-Butylbenzene	13.696	91	75619	5.064	ug/l	96
90) Hexachloroethane	13.958	117	15619	4.955	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	37119	5.272	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	3970	5.263	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	23771	5.319	ug/l	97
94) Hexachlorobutadiene	15.111	225	12811	5.216	ug/l	98
95) Naphthalene	15.233	128	55506	5.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	21148	5.324	ug/l	98

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

