

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092823\
 Data File : VY015742.D
 Acq On : 28 Sep 2023 10:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Mahesh Dadoda 09/29/2023

Quant Time: Sep 29 01:23:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	148154	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	244608	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	220368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	75018	46.020	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.040%		
35) Dibromofluoromethane	7.728	113	71722	48.988	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.980%		
50) Toluene-d8	10.185	98	254113	51.190	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.380%		
62) 4-Bromofluorobenzene	12.483	95	92708	47.589	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	48793	49.963	ug/l	100
3) Chloromethane	2.119	50	61160	49.642	ug/l	99
4) Vinyl Chloride	2.253	62	73640	52.277	ug/l	98
5) Bromomethane	2.656	94	54776	45.239	ug/l	98
6) Chloroethane	2.796	64	55444	53.102	ug/l	95
7) Trichlorofluoromethane	3.131	101	120091	50.834	ug/l	100
8) Diethyl Ether	3.540	74	49204	48.841	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.906	101	75691	51.172	ug/l	95
10) Methyl Iodide	4.101	142	82960	47.821	ug/l	98
11) Tert butyl alcohol	4.997	59	71778	209.203	ug/l #	85
12) 1,1-Dichloroethene	3.881	96	64750	49.678	ug/l	93
13) Acrolein	3.741	56	48031	192.395	ug/l	99
14) Allyl chloride	4.491	41	116713	48.975	ug/l	94
15) Acrylonitrile	5.180	53	161255	218.195	ug/l	98
16) Acetone	3.973	43	186188	213.430	ug/l	92
17) Carbon Disulfide	4.204	76	120642	47.645	ug/l	98
18) Methyl Acetate	4.497	43	131441	44.907	ug/l	94
19) Methyl tert-butyl Ether	5.235	73	258643	48.722	ug/l	99
20) Methylene Chloride	4.729	84	100699	52.999	ug/l	93
21) trans-1,2-Dichloroethene	5.235	96	75507	50.682	ug/l	94
22) Diisopropyl ether	6.131	45	285459	49.773	ug/l	93
23) Vinyl Acetate	6.070	43	838738	236.936	ug/l	96
24) 1,1-Dichloroethane	6.027	63	155063	49.604	ug/l	97
25) 2-Butanone	7.003	43	251219	203.738	ug/l	97
26) 2,2-Dichloropropane	6.990	77	141091	49.381	ug/l	99
27) cis-1,2-Dichloroethene	6.997	96	98651	49.879	ug/l	96
28) Bromochloromethane	7.350	49	38033	44.844	ug/l	99
29) Tetrahydrofuran	7.362	42	148040	212.416	ug/l	94
30) Chloroform	7.515	83	166814	49.830	ug/l	95
31) Cyclohexane	7.795	56	105137	46.558	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	142225	51.464	ug/l	99
36) 1,1-Dichloropropene	7.929	75	110324	50.964	ug/l	99
37) Ethyl Acetate	7.088	43	98225	45.491	ug/l	97
38) Carbon Tetrachloride	7.911	117	124259	52.882	ug/l	98
39) Methylcyclohexane	9.191	83	119149	49.763	ug/l	94
40) Benzene	8.167	78	334777	50.712	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	53580m	46.086	ug/l	
42) 1,2-Dichloroethane	8.246	62	111038	49.113	ug/l	95
43) Isopropyl Acetate	8.283	43	170528	46.234	ug/l	97
44) Trichloroethene	8.947	130	93738	50.840	ug/l	97
45) 1,2-Dichloropropane	9.222	63	93944	51.030	ug/l	98
46) Dibromomethane	9.313	93	57287	48.647	ug/l	96
47) Bromodichloromethane	9.502	83	134091	51.085	ug/l	98
48) Methyl methacrylate	9.301	41	75458	46.609	ug/l	90
49) 1,4-Dioxane	9.319	88	20758	892.260	ug/l #	48
51) 4-Methyl-2-Pentanone	10.075	43	516157	225.779	ug/l	94
52) Toluene	10.252	92	216782	50.937	ug/l	95
53) t-1,3-Dichloropropene	10.472	75	143838	51.101	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	153936	50.806	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	86594	50.178	ug/l	95
56) Ethyl methacrylate	10.514	69	126084	49.577	ug/l #	88
57) 1,3-Dichloropropane	10.795	76	142971	49.402	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	157167	194.553	ug/l	97
59) 2-Hexanone	10.837	43	394737	225.058	ug/l	91
60) Dibromochloromethane	10.990	129	102162	50.713	ug/l	100
61) 1,2-Dibromoethane	11.093	107	82650	48.955	ug/l	99
64) Tetrachloroethene	10.728	164	97163	51.390	ug/l	97
65) Chlorobenzene	11.520	112	247055	51.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	98479	52.706	ug/l	99
67) Ethyl Benzene	11.599	91	440099	52.345	ug/l	98
68) m/p-Xylenes	11.709	106	336064	105.163	ug/l	96
69) o-Xylene	12.032	106	163808	52.275	ug/l	97
70) Styrene	12.051	104	282928	52.748	ug/l	97
71) Bromoform	12.215	173	69958	51.668	ug/l #	100
73) Isopropylbenzene	12.337	105	439859	50.833	ug/l	100
74) N-amyl acetate	12.148	43	154057	47.369	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	114980	47.745	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	83419m	45.332	ug/l	
77) Bromobenzene	12.611	156	105455	49.648	ug/l	94
78) n-propylbenzene	12.672	91	539174	51.290	ug/l	100
79) 2-Chlorotoluene	12.758	91	303062	50.576	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	368635	50.888	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	38373	46.958	ug/l	96
82) 4-Chlorotoluene	12.861	91	313175	50.064	ug/l	99
83) tert-Butylbenzene	13.081	119	327799	51.665	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	369365	50.960	ug/l	99
85) sec-Butylbenzene	13.258	105	487115	51.302	ug/l	100
86) p-Isopropyltoluene	13.373	119	408660	51.525	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	211946	50.298	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	212163	50.342	ug/l	99
89) n-Butylbenzene	13.697	91	383772	51.099	ug/l	97
90) Hexachloroethane	13.965	117	78628	51.367	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	196445	50.502	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20937	43.774	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	123531	50.444	ug/l	99
94) Hexachlorobutadiene	15.117	225	62709	50.004	ug/l	98
95) Naphthalene	15.239	128	312319	48.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	113251	50.105	ug/l	99

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

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