

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013678.D
 Acq On : 10 May 2023 10:48
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

05/11/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: May 11 03:22:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	246211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	363021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165273	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	137263	50.857	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.720%	
35) Dibromofluoromethane	7.716	113	124724	54.626	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.260%	
50) Toluene-d8	10.179	98	416179	51.238	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.480%	
62) 4-Bromofluorobenzene	12.483	95	152560	55.714	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.420%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.906	85	119886	51.218	ug/l 99
3) Chloromethane	2.113	50	144595	46.086	ug/l 100
4) Vinyl Chloride	2.253	62	143028	45.783	ug/l 96
5) Bromomethane	2.656	94	103981	41.768	ug/l 100
6) Chloroethane	2.796	64	92451	42.838	ug/l 98
7) Trichlorofluoromethane	3.131	101	241515	51.033	ug/l 99
8) Diethyl Ether	3.534	74	79586	49.383	ug/l 91
9) 1,1,2-Trichlorotrifluo...	3.899	101	126978	47.834	ug/l 98
10) Methyl Iodide	4.095	142	158577	47.562	ug/l 98
11) Tert butyl alcohol	4.972	59	81300	267.388	ug/l # 96
12) 1,1-Dichloroethene	3.875	96	120877	47.239	ug/l 90
13) Acrolein	3.735	56	39031	162.406	ug/l 92
14) Allyl chloride	4.479	41	220453	46.431	ug/l 96
15) Acrylonitrile	5.168	53	216019	239.342	ug/l 99
16) Acetone	3.954	43	265832	250.101	ug/l 96
17) Carbon Disulfide	4.198	76	351484	42.287	ug/l 99
18) Methyl Acetate	4.479	43	157097	44.750	ug/l 97
19) Methyl tert-butyl Ether	5.222	73	366882	49.664	ug/l 97
20) Methylene Chloride	4.716	84	157408	46.746	ug/l 87
21) trans-1,2-Dichloroethene	5.222	96	136023	48.619	ug/l 95
22) Diisopropyl ether	6.119	45	472250	50.888	ug/l 95
23) Vinyl Acetate	6.058	43	1406143	267.613	ug/l 96
24) 1,1-Dichloroethane	6.021	63	261522	50.564	ug/l 99
25) 2-Butanone	6.990	43	318746	236.460	ug/l 94
26) 2,2-Dichloropropane	6.984	77	239468	53.731	ug/l 97
27) cis-1,2-Dichloroethene	6.984	96	159105	51.471	ug/l 96
28) Bromochloromethane	7.332	49	91137	49.655	ug/l 86
29) Tetrahydrofuran	7.350	42	180868	215.551	ug/l 93
30) Chloroform	7.502	83	276290	53.728	ug/l 99
31) Cyclohexane	7.783	56	210300	43.519	ug/l 92
32) 1,1,1-Trichloroethane	7.698	97	243555	53.076	ug/l 98
36) 1,1-Dichloropropene	7.917	75	194120	51.228	ug/l 99
37) Ethyl Acetate	7.076	43	131326	46.053	ug/l 97
38) Carbon Tetrachloride	7.905	117	225146	56.688	ug/l 96
39) Methylcyclohexane	9.185	83	222705	49.853	ug/l 97
40) Benzene	8.161	78	579302	54.272	ug/l 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	62246	46.843	ug/l	94
42) 1,2-Dichloroethane	8.240	62	192621	55.197	ug/l	98
43) Isopropyl Acetate	8.271	43	234915	48.806	ug/l	98
44) Trichloroethene	8.941	130	150073	52.855	ug/l	98
45) 1,2-Dichloropropane	9.216	63	149819	53.681	ug/l	100
46) Dibromomethane	9.307	93	88179	52.805	ug/l	96
47) Bromodichloromethane	9.496	83	213165	57.047	ug/l	99
48) Methyl methacrylate	9.295	41	107638	48.693	ug/l	95
49) 1,4-Dioxane	9.319	88	21979	921.560	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	656519	244.774	ug/l	96
52) Toluene	10.246	92	355269	55.309	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	216827	54.829	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	240272	53.995	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	121088	54.755	ug/l	98
56) Ethyl methacrylate	10.508	69	163594	53.322	ug/l	93
57) 1,3-Dichloropropane	10.788	76	204621	54.634	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	281616	244.784	ug/l	96
59) 2-Hexanone	10.831	43	486279	249.411	ug/l	97
60) Dibromochloromethane	10.984	129	151500	56.420	ug/l	99
61) 1,2-Dibromoethane	11.087	107	115813	53.267	ug/l	99
64) Tetrachloroethene	10.721	164	131590	52.694	ug/l	97
65) Chlorobenzene	11.514	112	381053	53.265	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	150641	56.303	ug/l	99
67) Ethyl Benzene	11.593	91	687903	54.759	ug/l	99
68) m/p-Xylenes	11.703	106	521913	109.287	ug/l	97
69) o-Xylene	12.032	106	248208	54.955	ug/l	97
70) Styrene	12.044	104	426331	56.454	ug/l	100
71) Bromoform	12.209	173	101455	54.136	ug/l #	100
73) Isopropylbenzene	12.331	105	657924	52.631	ug/l	98
74) N-amyl acetate	12.142	43	201447	45.284	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	146757	48.030	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	91136m	40.888	ug/l	
77) Bromobenzene	12.611	156	164874	54.433	ug/l	97
78) n-propylbenzene	12.672	91	808045	52.479	ug/l	98
79) 2-Chlorotoluene	12.758	91	451452	52.504	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	545558	53.470	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	50979	46.785	ug/l	94
82) 4-Chlorotoluene	12.855	91	474145	52.907	ug/l	98
83) tert-Butylbenzene	13.075	119	467257	52.860	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	538388	54.275	ug/l	99
85) sec-Butylbenzene	13.251	105	693189	52.251	ug/l	99
86) p-Isopropyltoluene	13.367	119	568862	53.321	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	311172	53.923	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	304431	52.224	ug/l	99
89) n-Butylbenzene	13.696	91	539772	51.838	ug/l	99
90) Hexachloroethane	13.959	117	115457	51.420	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	281338	53.988	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25157	46.618	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	163389	52.589	ug/l	98
94) Hexachlorobutadiene	15.111	225	98690	54.580	ug/l	99
95) Naphthalene	15.239	128	323096	47.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	145190	52.431	ug/l	99

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

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

