

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112122\
 Data File : VY011514.D
 Acq On : 21 Nov 2022 10:49
 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 11/22/2022
 Supervised By :Mahesh Dadoda 11/25/2022

Quant Time: Nov 21 12:01:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	198358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	304402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	277567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	91773	45.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.120%		
35) Dibromofluoromethane	7.722	113	90610	48.354	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.700%		
50) Toluene-d8	10.185	98	322270	47.327	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.660%		
62) 4-Bromofluorobenzene	12.483	95	120691	47.937	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	54759	51.562	ug/l	99
3) Chloromethane	2.119	50	87170	51.852	ug/l	96
4) Vinyl Chloride	2.259	62	103623	46.187	ug/l	100
5) Bromomethane	2.656	94	73583	51.495	ug/l	100
6) Chloroethane	2.802	64	72334	46.210	ug/l	99
7) Trichlorofluoromethane	3.137	101	160445	48.754	ug/l	95
8) Diethyl Ether	3.540	74	54420	51.166	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.912	101	96785	50.860	ug/l	94
10) Methyl Iodide	4.101	142	117258	52.888	ug/l	95
11) Tert butyl alcohol	4.960	59	49493	223.700	ug/l	99
12) 1,1-Dichloroethene	3.881	96	88033	50.502	ug/l	92
13) Acrolein	3.735	56	11154	210.028	ug/l	100
14) Allyl chloride	4.491	41	163302	53.365	ug/l	94
15) Acrylonitrile	5.173	53	150484	259.036	ug/l	98
16) Acetone	3.954	43	173867	265.761	ug/l	91
17) Carbon Disulfide	4.204	76	243851	50.474	ug/l	99
18) Methyl Acetate	4.485	43	76210	50.407	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	266617	53.593	ug/l	99
20) Methylene Chloride	4.722	84	131082	54.491	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	104499	51.877	ug/l	91
22) Diisopropyl ether	6.125	45	365137	54.665	ug/l	95
23) Vinyl Acetate	6.064	43	1096629	281.843	ug/l	97
24) 1,1-Dichloroethane	6.027	63	200477	51.118	ug/l	99
25) 2-Butanone	6.990	43	220965	256.998	ug/l	91
26) 2,2-Dichloropropane	6.990	77	183778	50.772	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	123400	52.035	ug/l	94
28) Bromochloromethane	7.338	49	81581	51.780	ug/l	95
29) Tetrahydrofuran	7.350	42	125225	257.900	ug/l	93
30) Chloroform	7.508	83	209555	51.524	ug/l	99
31) Cyclohexane	7.789	56	170572	51.093	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	184406	50.684	ug/l	97
36) 1,1-Dichloropropene	7.923	75	152640	52.111	ug/l	98
37) Ethyl Acetate	7.076	43	86249	51.710	ug/l	98
38) Carbon Tetrachloride	7.905	117	166727	50.877	ug/l	99
39) Methylcyclohexane	9.191	83	177779	54.387	ug/l	94
40) Benzene	8.167	78	443770	52.010	ug/l	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	47321m	56.113	ug/l	
42) 1,2-Dichloroethane	8.240	62	133504	50.593	ug/l	94
43) Isopropyl Acetate	8.277	43	154374	51.305	ug/l	94
44) Trichloroethene	8.947	130	116205	50.619	ug/l	96
45) 1,2-Dichloropropane	9.222	63	114978	52.720	ug/l	98
46) Dibromomethane	9.307	93	61760	50.646	ug/l	97
47) Bromodichloromethane	9.502	83	159474	51.918	ug/l	98
48) Methyl methacrylate	9.295	41	72172	54.001	ug/l	89
49) 1,4-Dioxane	9.301	88	15681	1038.355	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	447743	267.682	ug/l	94
52) Toluene	10.246	92	288764	53.518	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	161775	52.688	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	181751	52.618	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	91335	52.352	ug/l	98
56) Ethyl methacrylate	10.514	69	120637	55.598	ug/l	86
57) 1,3-Dichloropropane	10.794	76	155024	52.468	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	288451	271.443	ug/l	99
59) 2-Hexanone	10.837	43	325620	272.755	ug/l	93
60) Dibromochloromethane	10.990	129	111532	52.166	ug/l	100
61) 1,2-Dibromoethane	11.093	107	83131	52.203	ug/l	99
64) Tetrachloroethene	10.721	164	115683	50.576	ug/l	96
65) Chlorobenzene	11.520	112	305258	52.520	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	116083	52.695	ug/l	98
67) Ethyl Benzene	11.599	91	566619	53.991	ug/l	99
68) m/p-Xylenes	11.709	106	432398	108.236	ug/l	97
69) o-Xylene	12.032	106	203727	54.774	ug/l	97
70) Styrene	12.050	104	348246	54.851	ug/l	98
71) Bromoform	12.215	173	68929	51.432	ug/l #	99
73) Isopropylbenzene	12.337	105	562407	55.738	ug/l	99
74) N-amyl acetate	12.148	43	137277	55.093	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	104476	52.545	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	77561m	51.621	ug/l	
77) Bromobenzene	12.611	156	124326	52.767	ug/l	99
78) n-propylbenzene	12.672	91	681492	55.361	ug/l	100
79) 2-Chlorotoluene	12.758	91	382006	55.057	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	474351	55.769	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	37466	54.617	ug/l	90
82) 4-Chlorotoluene	12.861	91	392824	54.146	ug/l	99
83) tert-Butylbenzene	13.081	119	411596	55.557	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	467791	55.685	ug/l	99
85) sec-Butylbenzene	13.257	105	612606	55.419	ug/l	99
86) p-Isopropyltoluene	13.373	119	513718	55.685	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	252001	52.542	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	250475	52.227	ug/l	98
89) n-Butylbenzene	13.702	91	475349	56.051	ug/l	100
90) Hexachloroethane	13.965	117	97447	52.308	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	223689	52.614	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16434	50.399	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	125303	53.136	ug/l	99
94) Hexachlorobutadiene	15.117	225	76948	52.494	ug/l	99
95) Naphthalene	15.239	128	244186	49.443	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	106782	52.838	ug/l	98

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

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