

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101922\
 Data File : VY011002.D
 Acq On : 19 Oct 2022 09:57
 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 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

Quant Time: Oct 19 11:35:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	264730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	428190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	381430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	181200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	113387	46.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.000%		
35) Dibromofluoromethane	7.716	113	119428	50.038	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.080%		
50) Toluene-d8	10.185	98	433569	48.494	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.980%		
62) 4-Bromofluorobenzene	12.483	95	154393	48.668	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.340%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	87896	50.055	ug/l	98
3) Chloromethane	2.119	50	125563	49.841	ug/l	96
4) Vinyl Chloride	2.253	62	147971	51.822	ug/l	99
5) Bromomethane	2.656	94	98811	50.033	ug/l	96
6) Chloroethane	2.796	64	98402	51.570	ug/l	99
7) Trichlorofluoromethane	3.131	101	215267	51.507	ug/l	93
8) Diethyl Ether	3.534	74	75296	48.278	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.905	101	134695	51.381	ug/l	93
10) Methyl Iodide	4.094	142	169674	52.894	ug/l	90
11) Tert butyl alcohol	4.954	59	66134	240.044	ug/l	99
12) 1,1-Dichloroethene	3.875	96	126489	50.368	ug/l	84
13) Acrolein	3.729	56	79918	203.290	ug/l	96
14) Allyl chloride	4.485	41	196633	49.375	ug/l #	88
15) Acrylonitrile	5.161	53	198830	244.575	ug/l	97
16) Acetone	3.948	43	188148	265.690	ug/l #	86
17) Carbon Disulfide	4.198	76	354293	48.123	ug/l	100
18) Methyl Acetate	4.479	43	93746	46.883	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	352058	50.175	ug/l	97
20) Methylene Chloride	4.716	84	153697	49.775	ug/l	85
21) trans-1,2-Dichloroethene	5.222	96	145193	51.213	ug/l	90
22) Diisopropyl ether	6.118	45	452237	53.023	ug/l	93
23) Vinyl Acetate	6.064	43	1348274	264.353	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	266698	51.790	ug/l	100
25) 2-Butanone	6.984	43	262011	243.976	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	239778	52.435	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	169841	51.980	ug/l	90
28) Bromochloromethane	7.338	49	99107	54.008	ug/l	90
29) Tetrahydrofuran	7.344	42	158719	240.218	ug/l	88
30) Chloroform	7.508	83	271852	52.370	ug/l	100
31) Cyclohexane	7.789	56	223963	47.995	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	237556	52.062	ug/l	97
36) 1,1-Dichloropropene	7.917	75	202850	50.890	ug/l	97
37) Ethyl Acetate	7.076	43	105832	47.956	ug/l #	93
38) Carbon Tetrachloride	7.905	117	214763	52.194	ug/l	97
39) Methylcyclohexane	9.185	83	245132	51.345	ug/l	91
40) Benzene	8.161	78	601168	51.401	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	54542m	45.607	ug/l	
42) 1,2-Dichloroethane	8.240	62	163461	50.441	ug/l	91
43) Isopropyl Acetate	8.271	43	191755	48.632	ug/l #	89
44) Trichloroethene	8.941	130	159696	50.386	ug/l	96
45) 1,2-Dichloropropane	9.215	63	153547	51.744	ug/l	95
46) Dibromomethane	9.307	93	83725	50.587	ug/l	96
47) Bromodichloromethane	9.496	83	208112	52.179	ug/l	97
48) Methyl methacrylate	9.295	41	91694	51.962	ug/l #	80
49) 1,4-Dioxane	9.301	88	22131	930.661	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	539034	245.130	ug/l	89
52) Toluene	10.246	92	379916	52.288	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	210081	50.702	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	245069	51.686	ug/l #	82
55) 1,1,2-Trichloroethane	10.648	97	121906	51.057	ug/l	99
56) Ethyl methacrylate	10.514	69	160669	50.665	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	206336	50.262	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	383354	244.711	ug/l	97
59) 2-Hexanone	10.831	43	377962	250.223	ug/l	85
60) Dibromochloromethane	10.983	129	143764	50.636	ug/l	100
61) 1,2-Dibromoethane	11.093	107	113366	49.581	ug/l	100
64) Tetrachloroethene	10.721	164	150929	50.831	ug/l	98
65) Chlorobenzene	11.520	112	403405	51.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	150525	51.932	ug/l	98
67) Ethyl Benzene	11.593	91	736090	53.132	ug/l	100
68) m/p-Xylenes	11.703	106	564173	105.861	ug/l	95
69) o-Xylene	12.032	106	267436	52.848	ug/l	95
70) Styrene	12.044	104	455099	53.075	ug/l	96
71) Bromoform	12.209	173	89307	49.925	ug/l #	99
73) Isopropylbenzene	12.331	105	716853	54.453	ug/l	100
74) N-amyl acetate	12.148	43	169655	50.793	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.587	83	139580	50.521	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	95969m	46.650	ug/l	
77) Bromobenzene	12.611	156	161954	52.630	ug/l	99
78) n-propylbenzene	12.672	91	870490	54.348	ug/l	99
79) 2-Chlorotoluene	12.758	91	484999	53.768	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	596146	54.274	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	48482	50.686	ug/l #	85
82) 4-Chlorotoluene	12.855	91	496755	52.892	ug/l	99
83) tert-Butylbenzene	13.075	119	526024	55.381	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	588540	54.338	ug/l	98
85) sec-Butylbenzene	13.257	105	785323	55.022	ug/l	99
86) p-Isopropyltoluene	13.373	119	649390	54.845	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	320354	52.164	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	314202	51.456	ug/l	99
89) n-Butylbenzene	13.696	91	608600	55.005	ug/l	99
90) Hexachloroethane	13.965	117	125754	53.816	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	284303	51.742	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	21219	46.451	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	163808	49.882	ug/l	99
94) Hexachlorobutadiene	15.117	225	98803	51.115	ug/l	98
95) Naphthalene	15.239	128	328847	49.172	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	141458	49.377	ug/l	99

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

