

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011169.D
 Acq On : 28 Oct 2022 19:57
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/01/2022
 Supervised By :Mahesh Dadoda 11/01/2022

Quant Time: Oct 28 23:47:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	254918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	415552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	379799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	185996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131775	49.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.980%			
35) Dibromofluoromethane	7.716	113	128189	50.162	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.320%			
50) Toluene-d8	10.179	98	509911	50.366	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.740%			
62) 4-Bromofluorobenzene	12.477	95	170799	51.560	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	59244	47.152	ug/l	100
3) Chloromethane	2.113	50	79387	48.510	ug/l	96
4) Vinyl Chloride	2.247	62	93046	47.083	ug/l	100
5) Bromomethane	2.644	94	69314	52.734	ug/l	96
6) Chloroethane	2.790	64	66990	48.309	ug/l	97
7) Trichlorofluoromethane	3.125	101	158786	44.069	ug/l	92
8) Diethyl Ether	3.528	74	62983	48.524	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	103208	45.357	ug/l	93
10) Methyl Iodide	4.088	142	102599	41.157	ug/l	91
11) Tert butyl alcohol	4.942	59	68127	267.435	ug/l	98
12) 1,1-Dichloroethene	3.869	96	92003	44.927	ug/l	82
13) Acrolein	3.723	56	37374	223.294	ug/l	99
14) Allyl chloride	4.479	41	150619	47.369	ug/l #	85
15) Acrylonitrile	5.155	53	184130	257.082	ug/l	97
16) Acetone	3.942	43	132789	205.896	ug/l #	86
17) Carbon Disulfide	4.192	76	212133	46.627	ug/l	99
18) Methyl Acetate	4.472	43	86902	50.855	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	305656	50.567	ug/l	99
20) Methylene Chloride	4.710	84	142650	54.150	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	106059	45.172	ug/l	87
22) Diisopropyl ether	6.119	45	372152	50.908	ug/l	90
23) Vinyl Acetate	6.058	43	1142552	274.914	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	212916	47.141	ug/l	99
25) 2-Butanone	6.978	43	225431	243.847	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	184175	45.628	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	136073	47.836	ug/l	88
28) Bromochloromethane	7.332	49	116251	56.369	ug/l	87
29) Tetrahydrofuran	7.344	42	146969	266.821	ug/l #	86
30) Chloroform	7.502	83	225699	47.599	ug/l	100
31) Cyclohexane	7.783	56	155695	47.059	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	189720	47.026	ug/l	96
36) 1,1-Dichloropropene	7.917	75	152124	45.662	ug/l	98
37) Ethyl Acetate	7.070	43	98108	52.048	ug/l #	93
38) Carbon Tetrachloride	7.899	117	167044	46.033	ug/l	98
39) Methylcyclohexane	9.179	83	170515	45.870	ug/l	92
40) Benzene	8.161	78	467606	46.882	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	55847m	56.694	ug/l	
42) 1,2-Dichloroethane	8.234	62	138830	48.921	ug/l	92
43) Isopropyl Acetate	8.271	43	172445	51.307	ug/l #	89
44) Trichloroethene	8.935	130	125306	46.743	ug/l	94
45) 1,2-Dichloropropane	9.216	63	127652	48.620	ug/l	98
46) Dibromomethane	9.301	93	71757	48.892	ug/l	95
47) Bromodichloromethane	9.496	83	176357	48.625	ug/l	99
48) Methyl methacrylate	9.289	41	78540	52.425	ug/l #	79
49) 1,4-Dioxane	9.295	88	21840	1078.151	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	512856	270.629	ug/l #	87
52) Toluene	10.240	92	298251	47.771	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	178513	49.090	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	201171	48.805	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	107716	49.309	ug/l	99
56) Ethyl methacrylate	10.508	69	145483	52.918	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	181573	49.796	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	351295	265.680	ug/l	97
59) 2-Hexanone	10.831	43	349956	267.579	ug/l	84
60) Dibromochloromethane	10.983	129	129598	50.173	ug/l	100
61) 1,2-Dibromoethane	11.087	107	98691	49.771	ug/l	100
64) Tetrachloroethene	10.715	164	119488	45.596	ug/l	96
65) Chlorobenzene	11.514	112	329277	47.083	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	130140	47.960	ug/l	97
67) Ethyl Benzene	11.593	91	582590	47.686	ug/l	98
68) m/p-Xylenes	11.703	106	445941	95.771	ug/l	95
69) o-Xylene	12.026	106	214251	48.244	ug/l	95
70) Styrene	12.044	104	378347	49.850	ug/l	95
71) Bromoform	12.203	173	83569	50.261	ug/l #	100
73) Isopropylbenzene	12.325	105	574877	47.339	ug/l	99
74) N-amyl acetate	12.142	43	153397	51.458	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	131905	49.786	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	91707m	47.424	ug/l	
77) Bromobenzene	12.605	156	135157	47.320	ug/l	99
78) n-propylbenzene	12.666	91	693626	46.968	ug/l	100
79) 2-Chlorotoluene	12.751	91	394607	46.718	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	480903	47.001	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	44939	49.353	ug/l #	83
82) 4-Chlorotoluene	12.849	91	404762	46.194	ug/l	99
83) tert-Butylbenzene	13.075	119	428182	47.941	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	479326	47.592	ug/l	98
85) sec-Butylbenzene	13.251	105	625734	46.854	ug/l	100
86) p-Isopropyltoluene	13.367	119	516505	47.078	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	267106	46.065	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	265959	45.848	ug/l	99
89) n-Butylbenzene	13.690	91	474846	46.336	ug/l	99
90) Hexachloroethane	13.959	117	102788	44.848	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	246096	47.180	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21489	50.383	ug/l	85
93) 1,2,4-Trichlorobenzene	15.001	180	142249	47.654	ug/l	99
94) Hexachlorobutadiene	15.105	225	80612	44.718	ug/l	99
95) Naphthalene	15.233	128	309281	46.614	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	125731	48.386	ug/l	99

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

