

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
 Data File : VY010981.D
 Acq On : 17 Oct 2022 19:37
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 01:47:52 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	281357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	455517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	407987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	199227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122921	47.429	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.860%		
35) Dibromofluoromethane	7.716	113	123978	48.773	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.540%		
50) Toluene-d8	10.179	98	456729	48.020	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.040%		
62) 4-Bromofluorobenzene	12.477	95	159184	47.067	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	84199	45.116	ug/l	98
3) Chloromethane	2.113	50	125339	46.812	ug/l	98
4) Vinyl Chloride	2.247	62	143236	47.199	ug/l	100
5) Bromomethane	2.649	94	93372	44.485	ug/l	99
6) Chloroethane	2.790	64	96128	47.401	ug/l	97
7) Trichlorofluoromethane	3.119	101	210239	47.331	ug/l	93
8) Diethyl Ether	3.527	74	78675	47.464	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	132561	47.578	ug/l	93
10) Methyl Iodide	4.088	142	171245	50.229	ug/l	90
11) Tert butyl alcohol	4.942	59	66066	224.199	ug/l	96
12) 1,1-Dichloroethene	3.869	96	125628	47.069	ug/l	84
13) Acrolein	3.722	56	92545	221.498	ug/l	97
14) Allyl chloride	4.472	41	202245	47.783	ug/l #	88
15) Acrylonitrile	5.155	53	204333	236.491	ug/l	97
16) Acetone	3.942	43	148372	197.139	ug/l #	87
17) Carbon Disulfide	4.186	76	352843	45.094	ug/l	99
18) Methyl Acetate	4.472	43	97582	45.856	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	359840	48.254	ug/l	97
20) Methylene Chloride	4.710	84	158380	48.041	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	144312	47.894	ug/l	88
22) Diisopropyl ether	6.112	45	453818	50.064	ug/l	92
23) Vinyl Acetate	6.051	43	1387818	256.026	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	265880	48.580	ug/l	99
25) 2-Butanone	6.978	43	247956	217.244	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	223349	45.956	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	169976	48.947	ug/l	88
28) Bromochloromethane	7.331	49	103134	52.955	ug/l	90
29) Tetrahydrofuran	7.344	42	165929	236.290	ug/l #	88
30) Chloroform	7.502	83	269621	48.871	ug/l	100
31) Cyclohexane	7.783	56	224053	45.177	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	234268	48.307	ug/l	96
36) 1,1-Dichloropropene	7.911	75	202697	47.801	ug/l	98
37) Ethyl Acetate	7.069	43	112265	47.819	ug/l #	94
38) Carbon Tetrachloride	7.898	117	208535	47.640	ug/l	99
39) Methylcyclohexane	9.179	83	240245	47.302	ug/l	92
40) Benzene	8.154	78	598368	48.092	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	64547m	50.735	ug/l	
42) 1,2-Dichloroethane	8.234	62	166067	48.171	ug/l	91
43) Isopropyl Acetate	8.270	43	203397	48.490	ug/l #	90
44) Trichloroethene	8.935	130	159936	47.435	ug/l	95
45) 1,2-Dichloropropane	9.215	63	153976	48.776	ug/l	95
46) Dibromomethane	9.301	93	86134	48.920	ug/l	96
47) Bromodichloromethane	9.496	83	209446	49.363	ug/l	100
48) Methyl methacrylate	9.288	41	91825	48.914	ug/l #	81
49) 1,4-Dioxane	9.295	88	23671	935.705	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	562047	240.262	ug/l	88
52) Toluene	10.239	92	375925	48.635	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	213764	48.496	ug/l	100
54) cis-1,3-Dichloropropene	9.922	75	245918	48.753	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	124420	48.983	ug/l	97
56) Ethyl methacrylate	10.508	69	167577	49.673	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	210713	48.249	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	415315	248.897	ug/l	97
59) 2-Hexanone	10.831	43	383136	238.432	ug/l	85
60) Dibromochloromethane	10.983	129	146524	48.512	ug/l	100
61) 1,2-Dibromoethane	11.087	107	116198	47.770	ug/l	99
64) Tetrachloroethene	10.715	164	151287	47.635	ug/l	97
65) Chlorobenzene	11.514	112	401656	47.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	149898	48.350	ug/l	97
67) Ethyl Benzene	11.593	91	727234	49.076	ug/l	97
68) m/p-Xylenes	11.703	106	556349	97.598	ug/l	95
69) o-Xylene	12.026	106	266410	49.218	ug/l	95
70) Styrene	12.044	104	455652	49.680	ug/l	96
71) Bromoform	12.209	173	92215	48.195	ug/l #	100
73) Isopropylbenzene	12.331	105	707206	48.860	ug/l	100
74) N-amyl acetate	12.142	43	178395	48.577	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	142367	46.867	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	104701m	46.290	ug/l	
77) Bromobenzene	12.605	156	163572	48.346	ug/l	99
78) n-propylbenzene	12.672	91	862662	48.986	ug/l	99
79) 2-Chlorotoluene	12.751	91	478285	48.225	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	588474	48.727	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	49988	47.532	ug/l #	84
82) 4-Chlorotoluene	12.855	91	496738	48.105	ug/l	99
83) tert-Butylbenzene	13.074	119	517044	49.510	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	585052	49.128	ug/l	98
85) sec-Butylbenzene	13.251	105	767550	48.911	ug/l	100
86) p-Isopropyltoluene	13.367	119	637745	48.988	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	320730	47.499	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	317803	47.336	ug/l	99
89) n-Butylbenzene	13.696	91	594094	48.835	ug/l	99
90) Hexachloroethane	13.958	117	122589	47.714	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	288709	47.789	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22401	44.601	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	173070	47.934	ug/l	98
94) Hexachlorobutadiene	15.111	225	101451	47.736	ug/l	100
95) Naphthalene	15.232	128	360747	49.061	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	149650	47.510	ug/l	98

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

