

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010420.D
 Acq On : 09 Sep 2022 15:47
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Sep 09 17:11:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	264424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	406001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	366208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	185108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	131798	49.489	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.980%		
35) Dibromofluoromethane	7.710	113	133670	46.358	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.720%		
50) Toluene-d8	10.179	98	498066	53.297	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.600%		
62) 4-Bromofluorobenzene	12.477	95	175972	47.156	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	92468	51.926	ug/l	99
3) Chloromethane	2.107	50	143340	48.250	ug/l	97
4) Vinyl Chloride	2.241	62	179867	49.076	ug/l	100
5) Bromomethane	2.644	94	125610	48.919	ug/l	97
6) Chloroethane	2.784	64	121673	49.632	ug/l	100
7) Trichlorofluoromethane	3.113	101	228114	49.135	ug/l	95
8) Diethyl Ether	3.522	74	72151	47.986	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.887	101	135022	49.673	ug/l	96
10) Methyl Iodide	4.082	142	170463	50.678	ug/l	91
11) Tert butyl alcohol	4.948	59	60425	206.639	ug/l	96
12) 1,1-Dichloroethene	3.863	96	126769	49.713	ug/l	84
13) Acrolein	3.717	56	58901	231.831	ug/l	97
14) Allyl chloride	4.466	41	179627	48.916	ug/l #	92
15) Acrylonitrile	5.155	53	173222	237.985	ug/l	98
16) Acetone	3.942	43	142445	233.068	ug/l #	88
17) Carbon Disulfide	4.186	76	331216	48.031	ug/l	98
18) Methyl Acetate	4.466	43	82394	43.821	ug/l #	86
19) Methyl tert-butyl Ether	5.210	73	345466	49.057	ug/l	96
20) Methylene Chloride	4.704	84	148949	50.379	ug/l #	81
21) trans-1,2-Dichloroethene	5.210	96	142629	49.260	ug/l	86
22) Diisopropyl ether	6.113	45	401950	49.031	ug/l #	90
23) Vinyl Acetate	6.052	43	1247657	248.344	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	246658	49.698	ug/l	99
25) 2-Butanone	6.978	43	220566	227.086	ug/l #	82
26) 2,2-Dichloropropane	6.972	77	231681	48.920	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	167544	49.781	ug/l	86
28) Bromochloromethane	7.326	49	83826	52.679	ug/l #	76
29) Tetrahydrofuran	7.344	42	139966	230.891	ug/l #	82
30) Chloroform	7.496	83	263995	50.147	ug/l	98
31) Cyclohexane	7.777	56	209843	46.641	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	243524	51.086	ug/l	96
36) 1,1-Dichloropropene	7.911	75	196703	49.830	ug/l	96
37) Ethyl Acetate	7.070	43	98883	47.651	ug/l #	93
38) Carbon Tetrachloride	7.893	117	225390	51.322	ug/l	97
39) Methylcyclohexane	9.179	83	244586	49.692	ug/l	88
40) Benzene	8.155	78	563938	49.627	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	50993	42.984	ug/l #	44
42) 1,2-Dichloroethane	8.234	62	166448	49.257	ug/l	92
43) Isopropyl Acetate	8.271	43	182282	47.999	ug/l #	89
44) Trichloroethene	8.935	130	167785	50.161	ug/l	98
45) 1,2-Dichloropropane	9.210	63	137092	49.467	ug/l	93
46) Dibromomethane	9.301	93	81694	48.881	ug/l	96
47) Bromodichloromethane	9.496	83	201795	50.834	ug/l	99
48) Methyl methacrylate	9.289	41	82879	48.592	ug/l #	84
49) 1,4-Dioxane	9.295	88	21364	965.667	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	501234	240.623	ug/l	89
52) Toluene	10.240	92	371933	50.017	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	205094	50.203	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	231155	50.166	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	118104	49.678	ug/l	97
56) Ethyl methacrylate	10.508	69	155367	49.762	ug/l #	81
57) 1,3-Dichloropropane	10.789	76	195316	49.409	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	186283	213.287	ug/l	92
59) 2-Hexanone	10.831	43	344658	242.728	ug/l	88
60) Dibromochloromethane	10.984	129	148309	51.049	ug/l	100
61) 1,2-Dibromoethane	11.087	107	113593	49.221	ug/l	100
64) Tetrachloroethene	10.715	164	162990	49.379	ug/l	99
65) Chlorobenzene	11.514	112	406444	49.630	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	155689	51.328	ug/l	98
67) Ethyl Benzene	11.593	91	727167	50.168	ug/l	97
68) m/p-Xylenes	11.703	106	576299	101.276	ug/l	92
69) o-Xylene	12.026	106	272873	50.221	ug/l	93
70) Styrene	12.044	104	462093	50.248	ug/l	95
71) Bromoform	12.203	173	94075	49.608	ug/l #	99
73) Isopropylbenzene	12.331	105	734384	50.848	ug/l	100
74) N-amyl acetate	12.142	43	169428	50.278	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	131364	48.622	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	97913m	47.927	ug/l	
77) Bromobenzene	12.605	156	172836	50.503	ug/l	91
78) n-propylbenzene	12.672	91	869458	50.838	ug/l	97
79) 2-Chlorotoluene	12.752	91	483617	50.340	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	619710	50.854	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	45710	49.679	ug/l	89
82) 4-Chlorotoluene	12.855	91	501570	50.185	ug/l	97
83) tert-Butylbenzene	13.075	119	550194	51.655	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	612093	51.335	ug/l	97
85) sec-Butylbenzene	13.251	105	807879	51.224	ug/l	98
86) p-Isopropyltoluene	13.367	119	686782	51.480	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	347401	50.552	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	341136	50.130	ug/l	98
89) n-Butylbenzene	13.697	91	625043	51.616	ug/l	98
90) Hexachloroethane	13.959	117	126544	50.521	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	304397	50.010	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21948	48.128	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	192954	51.041	ug/l	99
94) Hexachlorobutadiene	15.111	225	116331	51.001	ug/l	98
95) Naphthalene	15.233	128	376238	50.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	166313	50.397	ug/l	99

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

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