

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092922\
 Data File : VY010740.D
 Acq On : 29 Sep 2022 18:38
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/30/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Sep 30 08:25:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	239786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	378851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	338119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114264	49.821	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.640%		
35) Dibromofluoromethane	7.716	113	111931	46.294	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.580%		
50) Toluene-d8	10.179	98	422999	47.504	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.000%		
62) 4-Bromofluorobenzene	12.477	95	144989	43.361	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	48873	43.771	ug/l	98
3) Chloromethane	2.113	50	72581	43.859	ug/l	97
4) Vinyl Chloride	2.247	62	97888	45.610	ug/l	99
5) Bromomethane	2.643	94	68584	47.458	ug/l	97
6) Chloroethane	2.790	64	75009	44.406	ug/l	99
7) Trichlorofluoromethane	3.119	101	149093	47.320	ug/l	97
8) Diethyl Ether	3.527	74	51692	47.850	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.887	101	95026	50.113	ug/l	95
10) Methyl Iodide	4.088	142	99487	45.416	ug/l	92
11) Tert butyl alcohol	4.948	59	51833	252.678	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	78232	46.203	ug/l	84
13) Acrolein	3.729	56	22891	214.556	ug/l	99
14) Allyl chloride	4.478	41	124583	48.804	ug/l #	94
15) Acrylonitrile	5.155	53	149980	267.488	ug/l	97
16) Acetone	3.942	43	113251	242.143	ug/l	90
17) Carbon Disulfide	4.192	76	133208	39.427	ug/l	98
18) Methyl Acetate	4.472	43	69326	52.499	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	277944	52.651	ug/l	96
20) Methylene Chloride	4.710	84	116284	45.659	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	87507	45.926	ug/l	88
22) Diisopropyl ether	6.112	45	327111	54.285	ug/l #	94
23) Vinyl Acetate	6.057	43	977788	274.681	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	189647	52.438	ug/l	99
25) 2-Butanone	6.978	43	195655	267.449	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	181432	52.169	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	121176	51.047	ug/l	90
28) Bromochloromethane	7.325	49	89891	52.677	ug/l	84
29) Tetrahydrofuran	7.344	42	120153	267.409	ug/l #	84
30) Chloroform	7.502	83	210568	53.816	ug/l	99
31) Cyclohexane	7.783	56	124128	48.041	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	183999	52.838	ug/l	97
36) 1,1-Dichloropropene	7.917	75	131950	48.980	ug/l	99
37) Ethyl Acetate	7.069	43	82272	52.873	ug/l #	93
38) Carbon Tetrachloride	7.899	117	159006	51.332	ug/l	99
39) Methylcyclohexane	9.179	83	141870	44.994	ug/l	91
40) Benzene	8.155	78	400184	49.829	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	48439m	61.032	ug/l	
42) 1,2-Dichloroethane	8.234	62	126894	51.311	ug/l	93
43) Isopropyl Acetate	8.270	43	155352	54.466	ug/l #	91
44) Trichloroethene	8.935	130	113232	49.252	ug/l	97
45) 1,2-Dichloropropane	9.209	63	110047	52.968	ug/l	93
46) Dibromomethane	9.301	93	61000	49.997	ug/l	98
47) Bromodichloromethane	9.496	83	164785	54.699	ug/l	99
48) Methyl methacrylate	9.289	41	68650	54.523	ug/l #	84
49) 1,4-Dioxane	9.295	88	18564	1034.717	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	461662	286.685	ug/l	89
52) Toluene	10.240	92	263469	50.138	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	160081	52.552	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	177896	52.382	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	96314	53.668	ug/l	98
56) Ethyl methacrylate	10.508	69	126345	54.345	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	156072	52.502	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	306885	234.549	ug/l	95
59) 2-Hexanone	10.831	43	316338	289.822	ug/l	88
60) Dibromochloromethane	10.983	129	118474	53.945	ug/l	100
61) 1,2-Dibromoethane	11.087	107	85036	50.614	ug/l	100
64) Tetrachloroethene	10.715	164	109752	48.592	ug/l	98
65) Chlorobenzene	11.514	112	300700	51.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	123355	54.155	ug/l	98
67) Ethyl Benzene	11.587	91	532675	51.882	ug/l	100
68) m/p-Xylenes	11.697	106	410646	103.247	ug/l	94
69) o-Xylene	12.026	106	201124	51.867	ug/l	93
70) Styrene	12.038	104	351393	53.343	ug/l	95
71) Bromoform	12.203	173	76837	54.324	ug/l #	98
73) Isopropylbenzene	12.325	105	554963	52.492	ug/l	100
74) N-amyl acetate	12.142	43	142853	55.720	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	115563	53.642	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	78766m	48.242	ug/l	
77) Bromobenzene	12.605	156	126964	50.473	ug/l	97
78) n-propylbenzene	12.666	91	660019	52.411	ug/l	99
79) 2-Chlorotoluene	12.751	91	371475	51.771	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	462576	51.783	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	38379	52.264	ug/l	90
82) 4-Chlorotoluene	12.849	91	383205	51.719	ug/l	98
83) tert-Butylbenzene	13.068	119	429737	53.790	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	460320	51.869	ug/l	99
85) sec-Butylbenzene	13.251	105	629041	53.762	ug/l	100
86) p-Isopropyltoluene	13.367	119	523163	53.505	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	258084	50.548	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	258643	51.183	ug/l	98
89) n-Butylbenzene	13.690	91	476134	53.046	ug/l	99
90) Hexachloroethane	13.958	117	99841	53.183	ug/l	92
91) 1,2-Dichlorobenzene	13.733	146	235694	51.822	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	19150	53.269	ug/l	84
93) 1,2,4-Trichlorobenzene	15.001	180	137043	49.394	ug/l	99
94) Hexachlorobutadiene	15.105	225	83584	49.565	ug/l	97
95) Naphthalene	15.233	128	289235	51.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	121074	50.117	ug/l	98

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

