

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010184.D
 Acq On : 23 Aug 2022 22:39
 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 08/24/2022
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 24 04:36:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	186296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	293021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	290505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	159846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	77421	50.737	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.480%			
35) Dibromofluoromethane	7.710	113	82977	50.255	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.500%			
50) Toluene-d8	10.179	98	275683	44.559	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.120%			
62) 4-Bromofluorobenzene	12.477	95	115459	52.231	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	57433	41.364	ug/l	99
3) Chloromethane	2.107	50	74394	47.621	ug/l	98
4) Vinyl Chloride	2.241	62	81800	48.067	ug/l	99
5) Bromomethane	2.638	94	65543	50.875	ug/l	97
6) Chloroethane	2.778	64	59772	55.035	ug/l	98
7) Trichlorofluoromethane	3.113	101	131698	45.666	ug/l	98
8) Diethyl Ether	3.522	74	53786	54.641	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.887	101	85828	47.940	ug/l	98
10) Methyl Iodide	4.076	142	108721	49.167	ug/l	97
11) Tert butyl alcohol	4.948	59	53432	334.099	ug/l	97
12) 1,1-Dichloroethene	3.857	96	81173	47.265	ug/l	94
13) Acrolein	3.723	56	19328	251.043	ug/l	97
14) Allyl chloride	4.466	41	143380	56.447	ug/l	97
15) Acrylonitrile	5.149	53	155411	328.427	ug/l	100
16) Acetone	3.936	43	115441	302.269	ug/l	97
17) Carbon Disulfide	4.180	76	259477	47.609	ug/l	98
18) Methyl Acetate	4.466	43	75960	64.917	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	250406	58.840	ug/l	98
20) Methylene Chloride	4.704	84	123259	57.906	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	100614	51.669	ug/l	97
22) Diisopropyl ether	6.113	45	329176	61.697	ug/l	98
23) Vinyl Acetate	6.052	43	1066521	329.388	ug/l	97
24) 1,1-Dichloroethane	6.003	63	178039	55.375	ug/l	99
25) 2-Butanone	6.978	43	203103	330.604	ug/l	93
26) 2,2-Dichloropropane	6.972	77	134607	46.785	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	116708	54.172	ug/l	96
28) Bromochloromethane	7.326	49	65316	59.783	ug/l	91
29) Tetrahydrofuran	7.338	42	137701	350.500	ug/l	95
30) Chloroform	7.496	83	186364	55.429	ug/l	99
31) Cyclohexane	7.777	56	157291	50.311	ug/l	98
32) 1,1,1-Trichloroethane	7.692	97	155454	53.035	ug/l	98
36) 1,1-Dichloropropene	7.911	75	137010	51.986	ug/l	100
37) Ethyl Acetate	7.070	43	91260	68.205	ug/l	98
38) Carbon Tetrachloride	7.893	117	141277	51.113	ug/l	99
39) Methylcyclohexane	9.179	83	165279	50.856	ug/l	96
40) Benzene	8.155	78	420233	54.209	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	48049	62.644	ug/l	# 100
42) 1,2-Dichloroethane	8.228	62	117275	58.986	ug/l	100
43) Isopropyl Acetate	8.265	43	160553	66.466	ug/l	95
44) Trichloroethene	8.935	130	113871	51.245	ug/l	96
45) 1,2-Dichloropropane	9.210	63	107720	57.740	ug/l	100
46) Dibromomethane	9.301	93	62554	57.311	ug/l	98
47) Bromodichloromethane	9.490	83	144490	56.881	ug/l	98
48) Methyl methacrylate	9.289	41	71793	66.427	ug/l	97
49) 1,4-Dioxane	9.289	88	17782	1406.597	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	453698	347.154	ug/l	98
52) Toluene	10.240	92	267461	54.418	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	146920	56.592	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	168209	55.545	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	90364	57.490	ug/l	98
56) Ethyl methacrylate	10.508	69	123326	62.212	ug/l	96
57) 1,3-Dichloropropane	10.789	76	153344	59.181	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	209160	264.520	ug/l	97
59) 2-Hexanone	10.831	43	314340	350.777	ug/l	97
60) Dibromochloromethane	10.984	129	107919	56.336	ug/l	99
61) 1,2-Dibromoethane	11.087	107	87222	57.017	ug/l	99
64) Tetrachloroethene	10.715	164	112805	48.107	ug/l	98
65) Chlorobenzene	11.514	112	293876	50.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	111001	51.395	ug/l	100
67) Ethyl Benzene	11.593	91	517813	50.859	ug/l	99
68) m/p-Xylenes	11.697	106	404076	101.767	ug/l	99
69) o-Xylene	12.026	106	189429	51.238	ug/l	99
70) Styrene	12.044	104	334047	52.949	ug/l	99
71) Bromoform	12.203	173	72062	54.202	ug/l	100
73) Isopropylbenzene	12.325	105	505553	47.013	ug/l	99
74) N-amyl acetate	12.142	43	141647	54.643	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	108451	50.418	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	78280m	52.291	ug/l	
77) Bromobenzene	12.605	156	122706	46.909	ug/l	99
78) n-propylbenzene	12.666	91	622515	47.148	ug/l	100
79) 2-Chlorotoluene	12.752	91	345883	46.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	430525	47.851	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	37148	49.841	ug/l	96
82) 4-Chlorotoluene	12.849	91	363459	47.140	ug/l	100
83) tert-Butylbenzene	13.075	119	368715	47.008	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	430161	48.274	ug/l	99
85) sec-Butylbenzene	13.251	105	556701	46.811	ug/l	99
86) p-Isopropyltoluene	13.367	119	464955	47.430	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	245267	46.565	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	244550	46.369	ug/l	100
89) n-Butylbenzene	13.697	91	435392	47.188	ug/l	99
90) Hexachloroethane	13.959	117	91266	45.661	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	222272	47.540	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17604	53.530	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	131401	47.402	ug/l	99
94) Hexachlorobutadiene	15.111	225	73722	44.796	ug/l	100
95) Naphthalene	15.233	128	277492	46.497	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	114394	47.354	ug/l	99

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

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