

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062122\
 Data File : VY009262.D
 Acq On : 21 Jun 2022 17:54
 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 : Mahesh Dadoda 06/23/2022
 Supervised By : Semsettin Yesilyurt 06/23/2022

Quant Time: Jun 22 06:20:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	174484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	280675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	93390	48.735	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.460%		
35) Dibromofluoromethane	7.710	113	90465	49.769	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.540%		
50) Toluene-d8	10.173	98	338127	48.424	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.840%		
62) 4-Bromofluorobenzene	12.477	95	120339	49.045	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	53715	42.016	ug/l	99
3) Chloromethane	2.107	50	71486	45.563	ug/l	95
4) Vinyl Chloride	2.241	62	81486	46.758	ug/l	99
5) Bromomethane	2.637	94	56367	46.385	ug/l	99
6) Chloroethane	2.784	64	52739	45.454	ug/l	96
7) Trichlorofluoromethane	3.119	101	123373	44.599	ug/l	95
8) Diethyl Ether	3.521	74	48568	47.812	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	79722	45.324	ug/l	96
10) Methyl Iodide	4.082	142	104534	48.664	ug/l	90
11) Tert butyl alcohol	4.942	59	61825	251.008	ug/l	100
12) 1,1-Dichloroethene	3.863	96	76846	45.973	ug/l	86
13) Acrolein	3.723	56	22262	230.440	ug/l	94
14) Allyl chloride	4.472	41	149179	49.682	ug/l	92
15) Acrylonitrile	5.149	53	142582	251.695	ug/l	98
16) Acetone	3.936	43	105618	223.071	ug/l	91
17) Carbon Disulfide	4.180	76	212953	45.859	ug/l	98
18) Methyl Acetate	4.466	43	65167	49.334	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	254780	50.708	ug/l	100
20) Methylene Chloride	4.704	84	106122	44.534	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	96169	48.546	ug/l	88
22) Diisopropyl ether	6.112	45	332903	52.742	ug/l	91
23) Vinyl Acetate	6.051	43	1082586	279.350	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	179619	50.271	ug/l	99
25) 2-Butanone	6.978	43	187049	244.632	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	155731	46.362	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	113709	48.960	ug/l	90
28) Bromochloromethane	7.326	49	82236	53.343	ug/l	88
29) Tetrahydrofuran	7.338	42	125805	259.812	ug/l	91
30) Chloroform	7.496	83	183714	49.951	ug/l	96
31) Cyclohexane	7.777	56	160665	48.299	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	159441	49.657	ug/l	97
36) 1,1-Dichloropropene	7.911	75	135400	48.946	ug/l	95
37) Ethyl Acetate	7.063	43	84355	50.428	ug/l	95
38) Carbon Tetrachloride	7.893	117	141581	49.221	ug/l	96
39) Methylcyclohexane	9.179	83	172529	50.830	ug/l	90
40) Benzene	8.155	78	412025	50.346	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	53091m	57.244	ug/l	
42) 1,2-Dichloroethane	8.228	62	117141	49.884	ug/l	91
43) Isopropyl Acetate	8.264	43	156745	51.134	ug/l #	92
44) Trichloroethene	8.935	130	114303	49.597	ug/l	98
45) 1,2-Dichloropropane	9.209	63	105190	49.892	ug/l	92
46) Dibromomethane	9.301	93	60550	50.504	ug/l	98
47) Bromodichloromethane	9.490	83	143034	50.240	ug/l	99
48) Methyl methacrylate	9.289	41	68627	51.077	ug/l #	87
49) 1,4-Dioxane	9.295	88	17145	995.162	ug/l #	90
51) 4-Methyl-2-Pentanone	10.063	43	411273	257.945	ug/l	92
52) Toluene	10.240	92	260070	50.273	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	152459	51.502	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	170787	50.689	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	86819	51.592	ug/l	98
56) Ethyl methacrylate	10.508	69	119278	53.582	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	149176	51.805	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	248192	259.888	ug/l	97
59) 2-Hexanone	10.831	43	277289	256.979	ug/l	88
60) Dibromochloromethane	10.983	129	104435	50.885	ug/l	99
61) 1,2-Dibromoethane	11.087	107	84063	51.233	ug/l	100
64) Tetrachloroethene	10.715	164	120357	48.995	ug/l	96
65) Chlorobenzene	11.514	112	282530	49.257	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	104247	49.708	ug/l	98
67) Ethyl Benzene	11.587	91	494074	49.702	ug/l	99
68) m/p-Xylenes	11.697	106	381974	97.926	ug/l	94
69) o-Xylene	12.026	106	182309	49.148	ug/l	94
70) Styrene	12.038	104	306486	49.822	ug/l	96
71) Bromoform	12.203	173	65419	50.467	ug/l #	98
73) Isopropylbenzene	12.325	105	486838	50.922	ug/l	98
74) N-amyl acetate	12.142	43	128483	50.311	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	93427	51.361	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	67519m	47.258	ug/l	
77) Bromobenzene	12.605	156	115037	49.536	ug/l	95
78) n-propylbenzene	12.666	91	584382	50.730	ug/l	97
79) 2-Chlorotoluene	12.751	91	325648	50.188	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	406336	51.196	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	34206	50.764	ug/l	87
82) 4-Chlorotoluene	12.849	91	336203	49.677	ug/l	96
83) tert-Butylbenzene	13.075	119	358850	51.843	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	395340	50.829	ug/l	97
85) sec-Butylbenzene	13.251	105	530851	51.232	ug/l	99
86) p-Isopropyltoluene	13.367	119	436767	50.716	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	223136	49.709	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	223448	49.612	ug/l	99
89) n-Butylbenzene	13.696	91	415359	51.790	ug/l	99
90) Hexachloroethane	13.958	117	82439	50.464	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	202343	50.172	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	16665	51.435	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	126142	51.124	ug/l	99
94) Hexachlorobutadiene	15.111	225	70281	52.942	ug/l	97
95) Naphthalene	15.233	128	270985	54.747	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	110195	52.253	ug/l	98

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

