

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060822\
 Data File : VY009177.D
 Acq On : 08 Jun 2022 18:24
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/09/2022
 Supervised By :Semsettin Yesilyurt 06/10/2022

Quant Time: Jun 09 01:38:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060822S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 01:36:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	149526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	242076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	226511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	32058	22.241	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.480%#		
35) Dibromofluoromethane	7.710	113	28977	21.152	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.300%#		
50) Toluene-d8	10.173	98	113884	22.891	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	45.780%#		
62) 4-Bromofluorobenzene	12.483	95	35741	16.884	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	33.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25320	20.925	ug/l	100
3) Chloromethane	2.107	50	50277	20.712	ug/l	97
4) Vinyl Chloride	2.241	62	78401	21.419	ug/l	100
5) Bromomethane	2.619	94	79432	22.626	ug/l	95
6) Chloroethane	2.778	64	56260	21.285	ug/l	98
7) Trichlorofluoromethane	3.113	101	54504	21.014	ug/l	99
8) Diethyl Ether	3.521	74	14768	18.633	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.887	101	29726	21.071	ug/l	93
10) Methyl Iodide	4.082	142	27276	18.103	ug/l	90
11) Tert butyl alcohol	4.954	59	14992	91.948	ug/l #	90
12) 1,1-Dichloroethene	3.857	96	26484	19.644	ug/l	80
13) Acrolein	3.716	56	8190	100.318	ug/l	97
14) Allyl chloride	4.466	41	37585	19.166	ug/l #	82
15) Acrylonitrile	5.155	53	39318	88.902	ug/l	99
16) Acetone	3.942	43	29871	85.967	ug/l	95
17) Carbon Disulfide	4.180	76	85431	20.213	ug/l	97
18) Methyl Acetate	4.466	43	18394	15.483	ug/l #	88
19) Methyl tert-butyl Ether	5.210	73	77345	18.555	ug/l	96
20) Methylene Chloride	4.698	84	38966	18.583	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	32451	19.512	ug/l #	78
22) Diisopropyl ether	6.106	45	90280	17.497	ug/l #	91
23) Vinyl Acetate	6.051	43	299164	89.891	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	54412	18.520	ug/l	99
25) 2-Butanone	6.978	43	50824	86.263	ug/l #	87
26) 2,2-Dichloropropane	6.966	77	52229	18.522	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	35937	18.353	ug/l	89
28) Bromochloromethane	7.326	49	24110	17.775	ug/l #	93
29) Tetrahydrofuran	7.338	42	34146	86.289	ug/l #	84
30) Chloroform	7.502	83	59113	18.589	ug/l	97
31) Cyclohexane	7.777	56	51447	19.304	ug/l	86
32) 1,1,1-Trichloroethane	7.691	97	52831	18.919	ug/l	99
36) 1,1-Dichloropropene	7.911	75	46368	19.663	ug/l	96
37) Ethyl Acetate	7.070	43	23962	17.741	ug/l #	95
38) Carbon Tetrachloride	7.893	117	47657	19.369	ug/l	96
39) Methylcyclohexane	9.179	83	56551	20.040	ug/l	91
40) Benzene	8.155	78	132129	19.054	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	14102m	18.838	ug/l	
42) 1,2-Dichloroethane	8.228	62	39745	18.697	ug/l	90
43) Isopropyl Acetate	8.264	43	45307	17.878	ug/l #	88
44) Trichloroethene	8.935	130	35705	20.088	ug/l	100
45) 1,2-Dichloropropane	9.209	63	30831	17.879	ug/l	98
46) Dibromomethane	9.301	93	20747	18.495	ug/l	93
47) Bromodichloromethane	9.490	83	46620	18.783	ug/l	99
48) Methyl methacrylate	9.289	41	19400	17.515	ug/l #	82
49) 1,4-Dioxane	9.289	88	5067	341.068	ug/l	89
51) 4-Methyl-2-Pentanone	10.063	43	121190	85.733	ug/l	92
52) Toluene	10.240	92	85546	18.403	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	48705	18.346	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	52522	18.236	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	27090	17.786	ug/l	96
56) Ethyl methacrylate	10.508	69	32223	16.395	ug/l	90
57) 1,3-Dichloropropane	10.788	76	45096	17.938	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	93164	92.304	ug/l	95
59) 2-Hexanone	10.831	43	81966	84.361	ug/l	90
60) Dibromochloromethane	10.983	129	31948	17.143	ug/l	98
61) 1,2-Dibromoethane	11.087	107	26273	17.619	ug/l	99
64) Tetrachloroethene	10.715	164	30895	20.265	ug/l	97
65) Chlorobenzene	11.514	112	91337	18.807	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	32765	18.234	ug/l	95
67) Ethyl Benzene	11.593	91	161505	18.654	ug/l	99
68) m/p-Xylenes	11.697	106	128515	36.308	ug/l	91
69) o-Xylene	12.026	106	59011	17.592	ug/l	91
70) Styrene	12.044	104	98947	16.623	ug/l	95
71) Bromoform	12.203	173	20818	16.831	ug/l #	98
73) Isopropylbenzene	12.325	105	156562	16.392	ug/l	100
74) N-amyl acetate	12.142	43	42626	16.191	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	34271	16.497	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	22624m	15.224	ug/l	
77) Bromobenzene	12.605	156	37365	16.761	ug/l	93
78) n-propylbenzene	12.672	91	196165	16.689	ug/l	100
79) 2-Chlorotoluene	12.758	91	103951	16.261	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	131147	16.051	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	11141	14.488	ug/l	90
82) 4-Chlorotoluene	12.849	91	110675	15.809	ug/l	97
83) tert-Butylbenzene	13.075	119	115281	16.224	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	129355	15.724	ug/l	97
85) sec-Butylbenzene	13.251	105	179946	19.020	ug/l	99
86) p-Isopropyltoluene	13.367	119	148700	19.349	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	77305	18.758	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	77161	19.143	ug/l	99
89) n-Butylbenzene	13.696	91	144884	20.423	ug/l	97
90) Hexachloroethane	13.959	117	28183	20.502	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	70814	21.883	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4939	19.778	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	37862	21.158	ug/l	97
94) Hexachlorobutadiene	15.111	225	21766	22.147	ug/l	97
95) Naphthalene	15.233	128	77158	21.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	33417	21.321	ug/l	97

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

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