

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008962.D
 Acq On : 21 May 2022 20:07
 Operator : KP/MD
 Sample : N2919-02MS
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P015-SS002-0006-01MS

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 21 21:32:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	66626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	116169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	93986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	29658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	34617	50.484	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.960%			
35) Dibromofluoromethane	7.716	113	35470	49.101	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.200%			
50) Toluene-d8	10.173	98	97273	36.500	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 73.000%			
62) 4-Bromofluorobenzene	12.477	95	31579	29.375	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 58.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	37256	61.138	ug/l	98
3) Chloromethane	2.107	50	67205	76.981	ug/l	95
4) Vinyl Chloride	2.241	62	106541	82.374	ug/l	100
5) Bromomethane	2.643	94	61286	48.339	ug/l	99
6) Chloroethane	2.784	64	72541	79.168	ug/l	94
7) Trichlorofluoromethane	3.119	101	63005	57.362	ug/l	92
8) Diethyl Ether	3.521	74	23074	67.183	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	32159	47.639	ug/l	95
10) Methyl Iodide	4.082	142	15068	21.616	ug/l	92
11) Tert butyl alcohol	4.954	59	17796	255.864	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	36850	58.803	ug/l	88
14) Allyl chloride	4.466	41	49125	52.017	ug/l #	87
15) Acrylonitrile	5.155	53	42725	222.180	ug/l	96
16) Acetone	3.942	43	40235	281.888	ug/l #	89
17) Carbon Disulfide	4.186	76	109552	53.510	ug/l	100
18) Methyl Acetate	4.466	43	56037	126.076	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	118808	63.164	ug/l	96
20) Methylene Chloride	4.710	84	50484	65.872	ug/l	85
21) trans-1,2-Dichloroethene	5.204	96	45948	57.125	ug/l	87
22) Diisopropyl ether	6.112	45	128776	56.757	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	81386	59.972	ug/l	99
25) 2-Butanone	6.978	43	65572	257.207	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	62005	49.601	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	52094	57.453	ug/l	87
28) Bromochloromethane	7.326	49	29252	62.800	ug/l #	91
29) Tetrahydrofuran	7.338	42	47609	274.919	ug/l #	85
30) Chloroform	7.502	83	85294	58.225	ug/l	96
31) Cyclohexane	7.777	56	45257	33.737	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	69428	52.240	ug/l	98
36) 1,1-Dichloropropene	7.911	75	55967	45.525	ug/l	98
38) Carbon Tetrachloride	7.893	117	57285	44.544	ug/l	94
39) Methylcyclohexane	9.179	83	32775	20.654	ug/l	90
40) Benzene	8.155	78	190587	53.762	ug/l	100
41) Methacrylonitrile	7.313	41	10362m	31.488	ug/l	
42) 1,2-Dichloroethane	8.234	62	60021	57.659	ug/l	94
43) Isopropyl Acetate	8.271	43	6234	5.257	ug/l #	64

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.935	130	43324	46.156	ug/l	99
45) 1,2-Dichloropropane	9.209	63	47319	55.590	ug/l	93
46) Dibromomethane	9.301	93	30705	56.730	ug/l	92
47) Bromodichloromethane	9.490	83	64109	51.827	ug/l	97
48) Methyl methacrylate	9.289	41	30176	56.993	ug/l	87
49) 1,4-Dioxane	9.295	88	7756	1071.971	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	168008	256.018	ug/l	92
52) Toluene	10.240	92	110731	44.697	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	55317	42.112	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	54794	38.802	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	37707	49.796	ug/l	98
57) 1,3-Dichloropropane	10.788	76	65136	52.732	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	112740	269.174	ug/l	95
59) 2-Hexanone	10.831	43	84124	187.231	ug/l	91
60) Dibromochloromethane	10.983	129	42966	46.808	ug/l	97
61) 1,2-Dibromoethane	11.087	107	34589	46.096	ug/l	99
64) Tetrachloroethene	10.715	164	29283	42.806	ug/l	98
65) Chlorobenzene	11.514	112	100361	46.524	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	41881	53.021	ug/l	98
67) Ethyl Benzene	11.587	91	166816	42.910	ug/l	100
68) m/p-Xylenes	11.697	106	131013	83.016	ug/l	92
69) o-Xylene	12.026	106	65109	44.427	ug/l	89
70) Styrene	12.044	104	107857	42.796	ug/l	95
71) Bromoform	12.209	173	23801	45.455	ug/l #	98
73) Isopropylbenzene	12.325	105	127616	57.545	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	42114	92.188	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	29015m	91.101	ug/l	
77) Bromobenzene	12.605	156	35750	69.543	ug/l	97
78) n-propylbenzene	12.666	91	132558	51.736	ug/l	100
79) 2-Chlorotoluene	12.758	91	80816	54.682	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	90827	48.863	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	9307	59.979	ug/l	90
82) 4-Chlorotoluene	12.849	91	81459	51.532	ug/l	96
83) tert-Butylbenzene	13.075	119	71020	43.066	ug/l	89
84) 1,2,4-Trimethylbenzene	13.117	105	90053	48.803	ug/l	97
85) sec-Butylbenzene	13.251	105	82554	32.719	ug/l	99
86) p-Isopropyltoluene	13.367	119	47041	22.357	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	45601	41.584	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	47531	43.143	ug/l	98
89) n-Butylbenzene	13.696	91	38428	19.964	ug/l	99
90) Hexachloroethane	13.959	117	12645	32.070	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	40206	41.535	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	5207	73.417	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	8796	16.557	ug/l	96
94) Hexachlorobutadiene	15.111	225	2725	9.411	ug/l	100
95) Naphthalene	15.233	128	29597	27.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	6556	14.201	ug/l	95

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

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