

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008533.D
 Acq On : 27 Apr 2022 17:31
 Operator : KP/MD
 Sample : N2577-10MS
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GT-04-(25-30)MS

Quant Time: Apr 28 01:34:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 05/04/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	157788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	262587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	211591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	80855	43.551	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.100%		
35) Dibromofluoromethane	7.716	113	90826	53.594	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.180%		
50) Toluene-d8	10.179	98	362384	53.499	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.000%		
62) 4-Bromofluorobenzene	12.483	95	123391	54.072	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	71830	50.130	ug/l	98
3) Chloromethane	2.113	50	68476	30.370	ug/l	99
4) Vinyl Chloride	2.253	62	93269	31.835	ug/l	99
5) Bromomethane	2.650	94	84301	30.946	ug/l	96
6) Chloroethane	2.796	64	62421	32.026	ug/l	99
7) Trichlorofluoromethane	3.125	101	142066	46.809	ug/l	93
8) Diethyl Ether	3.527	74	48341	46.279	ug/l	63
9) 1,1,2-Trichlorotrifluo...	3.905	101	73168	40.498	ug/l	93
10) Methyl Iodide	4.094	142	102621	43.344	ug/l	88
11) Tert butyl alcohol	4.954	59	38630	200.629	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	82297	48.249	ug/l #	74
13) Acrolein	3.729	56	33894	171.473	ug/l	98
14) Allyl chloride	4.485	41	90079	40.461	ug/l #	88
15) Acrylonitrile	5.167	53	112587	210.802	ug/l	96
16) Acetone	3.948	43	86085	199.072	ug/l #	80
17) Carbon Disulfide	4.198	76	230760	44.749	ug/l	100
18) Methyl Acetate	4.479	43	47090	38.830	ug/l #	76
19) Methyl tert-butyl Ether	5.222	73	229949	42.607	ug/l	95
20) Methylene Chloride	4.722	84	101634	44.515	ug/l #	71
21) trans-1,2-Dichloroethene	5.222	96	92568	44.490	ug/l #	75
22) Diisopropyl ether	6.118	45	201317	37.445	ug/l #	91
23) Vinyl Acetate	6.064	43	704341	191.085	ug/l #	81
24) 1,1-Dichloroethane	6.021	63	138572	41.407	ug/l	96
25) 2-Butanone	6.984	43	132342	197.820	ug/l #	70
26) 2,2-Dichloropropane	6.984	77	131360	42.380	ug/l	90
27) cis-1,2-Dichloroethene	6.990	96	105602	44.372	ug/l	77
28) Bromochloromethane	7.338	49	53601	39.706	ug/l #	45
29) Tetrahydrofuran	7.350	42	84963	197.179	ug/l #	67
30) Chloroform	7.508	83	157418	42.816	ug/l	100
31) Cyclohexane	7.789	56	104376	34.198	ug/l #	77
32) 1,1,1-Trichloroethane	7.704	97	137137	42.597	ug/l #	93
36) 1,1-Dichloropropene	7.917	75	107347	39.822	ug/l	93
37) Ethyl Acetate	7.076	43	58205	39.042	ug/l #	87
38) Carbon Tetrachloride	7.899	117	119950	42.827	ug/l	99
39) Methylcyclohexane	9.185	83	571925	165.699	ug/l #	81
40) Benzene	8.161	78	333374	42.389	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	28501m	39.422	ug/l	
42) 1,2-Dichloroethane	8.240	62	98672	41.673	ug/l #	78
43) Isopropyl Acetate	8.271	43	126925	46.292	ug/l #	89
44) Trichloroethene	8.941	130	96952	44.747	ug/l	99
45) 1,2-Dichloropropane	9.215	63	80075	42.400	ug/l	92
46) Dibromomethane	9.307	93	58518	44.227	ug/l	96
47) Bromodichloromethane	9.496	83	127650	45.447	ug/l	98
48) Methyl methacrylate	9.295	41	50290	43.137	ug/l #	75
49) 1,4-Dioxane	9.295	88	17172	1029.207	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	280518	194.485	ug/l #	79
52) Toluene	10.246	92	201259	38.696	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	126379	41.957	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	142525	42.699	ug/l #	86
55) 1,1,2-Trichloroethane	10.618	97	280003	155.049	ug/l #	20
56) Ethyl methacrylate	10.514	69	222986	95.630	ug/l	93
57) 1,3-Dichloropropane	10.794	76	121455	41.200	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	233415	182.652	ug/l #	82
59) 2-Hexanone	10.801	43	249975	251.847	ug/l #	28
60) Dibromochloromethane	10.983	129	99716	48.060	ug/l	99
61) 1,2-Dibromoethane	11.093	107	81012	45.356	ug/l	95
64) Tetrachloroethene	10.721	164	62247	39.670	ug/l	98
65) Chlorobenzene	11.520	112	219706	45.922	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	88619	50.171	ug/l	98
67) Ethyl Benzene	11.593	91	300270	36.163	ug/l	94
68) m/p-Xylenes	11.703	106	233688	70.263	ug/l	89
69) o-Xylene	12.032	106	115970	36.218	ug/l	93
70) Styrene	12.044	104	218190	40.436	ug/l	93
71) Bromoform	12.209	173	64014	57.828	ug/l #	99
73) Isopropylbenzene	12.331	105	739438	108.378	ug/l	96
74) N-amyl acetate	12.130	43	212524	126.067	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.581	83	130773	85.785	ug/l	91
76) 1,2,3-Trichloropropane	12.636	75	62248m	53.451	ug/l	
77) Bromobenzene	12.611	156	88116	52.956	ug/l	90
78) n-propylbenzene	12.672	91	1241143	151.660	ug/l	93
79) 2-Chlorotoluene	12.758	91	154500	33.543	ug/l	91
80) 1,3,5-Trimethylbenzene	12.812	105	126723	22.377	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.380	75	26705	53.197	ug/l	91
82) 4-Chlorotoluene	12.855	91	158687	33.247	ug/l	81
83) tert-Butylbenzene	13.075	119	149957	30.503	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	132432	23.568	ug/l	95
85) sec-Butylbenzene	13.257	105	880510	118.677	ug/l #	77
86) p-Isopropyltoluene	13.373	119	94093	15.143	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	103634	31.109	ug/l #	48
88) 1,4-Dichlorobenzene	13.446	146	109206	33.093	ug/l #	55
89) n-Butylbenzene	13.696	91	270935	48.042	ug/l #	85
90) Hexachloroethane	13.977	117	186588	167.029	ug/l #	16
91) 1,2-Dichlorobenzene	13.739	146	110873	37.430	ug/l #	31
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12050	52.598	ug/l #	54
93) 1,2,4-Trichlorobenzene	15.013	180	34208	20.747	ug/l #	1
94) Hexachlorobutadiene	15.117	225	9756	12.127	ug/l	98
95) Naphthalene	15.239	128	146155	39.101	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.428	180	45510	31.535	ug/l #	60

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

