

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009545.D
 Acq On : 12 Jul 2022 20:06
 Operator : KP/MD
 Sample : N3595-19MS
 Misc : 6.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220487A-5AMS

Quant Time: Jul 13 01:17:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	30899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	46189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	42355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	17669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	11838	55.041	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.080%			
35) Dibromofluoromethane	7.716	113	12766	52.528	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.060%			
50) Toluene-d8	10.179	98	34036	51.289	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 102.580%			
62) 4-Bromofluorobenzene	12.477	95	16485	48.053	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 96.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	13795	58.218	ug/l	96
3) Chloromethane	2.107	50	16748	63.292	ug/l	95
4) Vinyl Chloride	2.241	62	20266	67.269	ug/l	96
5) Bromomethane	2.643	94	12219	56.454	ug/l	99
6) Chloroethane	2.784	64	10936	62.174	ug/l	100
7) Trichlorofluoromethane	3.113	101	26332	65.465	ug/l	97
8) Diethyl Ether	3.521	74	8105	52.668	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.887	101	15387	56.461	ug/l	97
10) Methyl Iodide	4.076	142	15672	43.396	ug/l	92
11) Tert butyl alcohol	4.948	59	9151	226.443	ug/l #	91
12) 1,1-Dichloroethene	3.857	96	14640	57.918	ug/l	81
13) Acrolein	3.716	56	2115	106.297	ug/l	94
14) Allyl chloride	4.466	41	20271	46.610	ug/l	95
15) Acrylonitrile	5.161	53	24988	295.104	ug/l	95
16) Acetone	3.936	43	21619	287.615	ug/l	90
17) Carbon Disulfide	4.180	76	80898	92.213	ug/l	98
18) Methyl Acetate	4.460	43	15777	71.487	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	41823	54.667	ug/l	99
20) Methylene Chloride	4.704	84	17589	49.361	ug/l #	82
21) trans-1,2-Dichloroethene	5.204	96	15288	51.618	ug/l	84
22) Diisopropyl ether	6.106	45	49051	53.051	ug/l #	91
23) Vinyl Acetate	6.051	43	131839	204.933	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	28490	54.641	ug/l	98
25) 2-Butanone	6.978	43	31263	257.107	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	23153	45.054	ug/l	94
27) cis-1,2-Dichloroethene	6.972	96	17469	50.099	ug/l	89
28) Bromochloromethane	7.319	49	11602	52.941	ug/l	83
29) Tetrahydrofuran	7.338	42	21682	275.686	ug/l	92
30) Chloroform	7.496	83	29172	51.120	ug/l	94
31) Cyclohexane	7.777	56	22823	45.021	ug/l	89
32) 1,1,1-Trichloroethane	7.691	97	26801	53.270	ug/l	98
36) 1,1-Dichloropropene	7.911	75	21193	53.563	ug/l	97
37) Ethyl Acetate	7.069	43	14838	59.827	ug/l	99
38) Carbon Tetrachloride	7.892	117	24860	58.749	ug/l	92
39) Methylcyclohexane	9.179	83	21663	45.612	ug/l	94
40) Benzene	8.155	78	62893	54.131	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	7878m	61.171	ug/l	
42) 1,2-Dichloroethane	8.228	62	20522	58.833	ug/l	91
43) Isopropyl Acetate	8.264	43	26638	57.563	ug/l #	94
44) Trichloroethene	8.935	130	17677	53.857	ug/l	89
45) 1,2-Dichloropropane	9.215	63	15767	53.623	ug/l	97
46) Dibromomethane	9.301	93	9863	57.152	ug/l	99
47) Bromodichloromethane	9.490	83	22522	54.830	ug/l	96
48) Methyl methacrylate	9.282	41	11186	56.104	ug/l	84
49) 1,4-Dioxane	9.289	88	3881	1527.077	ug/l	89
51) 4-Methyl-2-Pentanone	10.063	43	73222	300.876	ug/l	95
52) Toluene	10.240	92	40074	54.127	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	20928	48.348	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	24166	50.068	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	13856	55.655	ug/l	95
56) Ethyl methacrylate	10.508	69	17919	54.212	ug/l	90
57) 1,3-Dichloropropane	10.788	76	22631	55.141	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	35120	217.504	ug/l	93
59) 2-Hexanone	10.825	43	49629	294.300	ug/l	95
60) Dibromochloromethane	10.977	129	16268	53.960	ug/l	98
61) 1,2-Dibromoethane	11.081	107	13146	55.079	ug/l	99
64) Tetrachloroethene	10.715	164	16437	46.416	ug/l	95
65) Chlorobenzene	11.514	112	41729	50.164	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	16945	54.153	ug/l	96
67) Ethyl Benzene	11.587	91	72971	50.248	ug/l	99
68) m/p-Xylenes	11.697	106	57787	102.029	ug/l	91
69) o-Xylene	12.026	106	28873	53.185	ug/l	90
70) Styrene	12.038	104	42341	46.695	ug/l	96
71) Bromoform	12.203	173	10573	53.014	ug/l #	98
73) Isopropylbenzene	12.325	105	72659	60.129	ug/l	97
74) N-amyl acetate	12.142	43	17303	50.327	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	17208	71.122	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	11955m	63.917	ug/l	
77) Bromobenzene	12.605	156	17291	58.778	ug/l	92
78) n-propylbenzene	12.666	91	79638	54.551	ug/l	97
79) 2-Chlorotoluene	12.751	91	44909	54.947	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	56300	55.740	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	4214	46.111	ug/l	92
82) 4-Chlorotoluene	12.849	91	45788	53.457	ug/l	97
83) tert-Butylbenzene	13.074	119	51696	57.529	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	55203	54.910	ug/l	97
85) sec-Butylbenzene	13.251	105	66543	50.281	ug/l	97
86) p-Isopropyltoluene	13.367	119	55350	50.175	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	29409	50.645	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	27844	47.377	ug/l	98
89) n-Butylbenzene	13.696	91	43619	42.343	ug/l	97
90) Hexachloroethane	13.958	117	10165	46.963	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	27119	50.973	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	2761	65.106	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	9806	30.220	ug/l	97
94) Hexachlorobutadiene	15.111	225	3956	22.175	ug/l	92
95) Naphthalene	15.233	128	29062	43.318	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	8722	31.034	ug/l	93

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

