

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051222\
 Data File : VY008735.D
 Acq On : 12 May 2022 15:49
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 13 01:37:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 01:36:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	190455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	320504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	291670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	22344	11.884	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	23.760%#		
35) Dibromofluoromethane	7.716	113	20962	10.684	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.360%#		
50) Toluene-d8	10.179	98	81264	11.013	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	22.020%#		
62) 4-Bromofluorobenzene	12.477	95	25382	9.755	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.500%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18827	11.539	ug/l	98
3) Chloromethane	2.113	50	34573	15.894	ug/l	95
4) Vinyl Chloride	2.247	62	45786	15.706	ug/l	94
5) Bromomethane	2.637	94	49108	20.017	ug/l	97
6) Chloroethane	2.784	64	31319	16.139	ug/l	97
7) Trichlorofluoromethane	3.119	101	36872	10.755	ug/l	99
8) Diethyl Ether	3.528	74	11276	10.291	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.893	101	20927	9.929	ug/l	99
10) Methyl Iodide	4.088	142	14418	6.792	ug/l	97
11) Tert butyl alcohol	4.924	59	35470	181.314	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	19424	9.970	ug/l	95
13) Acrolein	3.729	56	6525	43.514	ug/l	94
14) Allyl chloride	4.479	41	26446	10.267	ug/l	98
15) Acrylonitrile	5.161	53	27122	52.010	ug/l	100
16) Acetone	3.948	43	22495	53.955	ug/l	99
17) Carbon Disulfide	4.192	76	55032	10.064	ug/l	96
18) Methyl Acetate	4.473	43	23284	16.229	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	54034	9.739	ug/l	96
20) Methylene Chloride	4.716	84	34754	13.772	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	22862	10.088	ug/l	95
22) Diisopropyl ether	6.119	45	60767	10.801	ug/l	97
23) Vinyl Acetate	6.058	43	154872	44.740	ug/l	97
24) 1,1-Dichloroethane	6.009	63	38290	10.332	ug/l	99
25) 2-Butanone	6.984	43	35500	55.342	ug/l	89
26) 2,2-Dichloropropane	6.984	77	36860	10.478	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	25252	9.567	ug/l	99
28) Bromochloromethane	7.326	49	17429	13.650	ug/l	94
29) Tetrahydrofuran	7.344	42	22822	54.690	ug/l	100
30) Chloroform	7.509	83	41592	10.369	ug/l	94
31) Cyclohexane	7.783	56	36891	10.570	ug/l #	78
32) 1,1,1-Trichloroethane	7.704	97	36947	10.017	ug/l	98
36) 1,1-Dichloropropene	7.911	75	31171	10.115	ug/l	99
37) Ethyl Acetate	7.070	43	16574	11.640	ug/l #	92
38) Carbon Tetrachloride	7.893	117	32320	9.661	ug/l	97
39) Methylcyclohexane	9.179	83	38406	9.290	ug/l	97
40) Benzene	8.155	78	90249	10.205	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	8400m	11.303	ug/l	
42) 1,2-Dichloroethane	8.240	62	26244	10.596	ug/l	99
43) Isopropyl Acetate	8.271	43	30338	10.756	ug/l	98
44) Trichloroethene	8.941	130	24370	9.607	ug/l	87
45) 1,2-Dichloropropane	9.216	63	21710	10.371	ug/l	94
46) Dibromomethane	9.301	93	14119	10.375	ug/l	96
47) Bromodichloromethane	9.496	83	32045	10.240	ug/l	94
48) Methyl methacrylate	9.295	41	13286	10.723	ug/l	96
49) 1,4-Dioxane	9.295	88	3246	184.213	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	80913	56.705	ug/l	97
52) Toluene	10.240	92	57723	9.931	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	31825	9.932	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	35891	9.919	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	18638	9.943	ug/l	92
56) Ethyl methacrylate	10.508	69	22779	9.381	ug/l	94
57) 1,3-Dichloropropane	10.788	76	31013	10.068	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	62863	58.602	ug/l	99
59) 2-Hexanone	10.831	43	52461	52.882	ug/l	96
60) Dibromochloromethane	10.984	129	21851	9.593	ug/l	98
61) 1,2-Dibromoethane	11.087	107	18195	9.861	ug/l	91
64) Tetrachloroethene	10.715	164	23650	10.769	ug/l	97
65) Chlorobenzene	11.514	112	62545	9.773	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	21966	9.290	ug/l	99
67) Ethyl Benzene	11.593	91	106864	9.432	ug/l	98
68) m/p-Xylenes	11.703	106	82741	18.348	ug/l	100
69) o-Xylene	12.026	106	38999	9.081	ug/l	99
70) Styrene	12.044	104	63038	8.901	ug/l	98
71) Bromoform	12.203	173	12916	9.174	ug/l #	99
73) Isopropylbenzene	12.331	105	102666	9.461	ug/l	100
74) N-amyl acetate	12.142	43	24905	10.419	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	22232	10.666	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	12034m	7.575	ug/l	
77) Bromobenzene	12.605	156	23866	9.712	ug/l	98
78) n-propylbenzene	12.672	91	126313	9.813	ug/l	99
79) 2-Chlorotoluene	12.758	91	67002	9.443	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	83300	9.338	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	7257	10.188	ug/l	93
82) 4-Chlorotoluene	12.855	91	70545	9.610	ug/l	98
83) tert-Butylbenzene	13.075	119	74052	9.366	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	80736	9.244	ug/l	100
85) sec-Butylbenzene	13.251	105	111345	9.429	ug/l	100
86) p-Isopropyltoluene	13.367	119	90734	9.247	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	46900	9.475	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	47200	9.591	ug/l	97
89) n-Butylbenzene	13.696	91	87468	9.642	ug/l	98
90) Hexachloroethane	13.965	117	18072	9.630	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	41747	9.651	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3523	10.725	ug/l	86
93) 1,2,4-Trichlorobenzene	15.001	180	23551	9.209	ug/l	98
94) Hexachlorobutadiene	15.111	225	12935	9.477	ug/l	99
95) Naphthalene	15.239	128	48465	8.701	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	21181	9.578	ug/l	100

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

