

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007599.D
 Acq On : 23 Feb 2022 15:19
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY022322

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 24 08:22:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	66942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	107419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	99860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	49017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	41800	56.130	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.260%			
35) Dibromofluoromethane	7.716	113	38514	56.822	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.640%			
50) Toluene-d8	10.179	98	121572	48.594	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.180%			
62) 4-Bromofluorobenzene	12.477	95	41816	48.791	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	40928	49.434	ug/l	99
3) Chloromethane	2.113	50	42814	52.279	ug/l	95
4) Vinyl Chloride	2.253	62	49254	50.154	ug/l	99
5) Bromomethane	2.650	94	37519	63.521	ug/l	89
6) Chloroethane	2.796	64	32105	51.384	ug/l	95
7) Trichlorofluoromethane	3.125	101	94877	50.084	ug/l	90
8) Diethyl Ether	3.527	74	26437	54.694	ug/l	61
9) 1,1,2-Trichlorotrifluo...	3.899	101	41520	51.017	ug/l	97
10) Methyl Iodide	4.088	142	51689	52.038	ug/l	99
11) Tert butyl alcohol	4.954	59	21950	292.650	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	38803	51.316	ug/l #	72
13) Acrolein	3.729	56	26799	279.608	ug/l	96
14) Allyl chloride	4.478	41	36027	51.538	ug/l #	60
15) Acrylonitrile	5.155	53	47773	286.586	ug/l	98
16) Acetone	3.948	43	48215	284.286	ug/l #	86
17) Carbon Disulfide	4.192	76	93014	49.496	ug/l	98
18) Methyl Acetate	4.472	43	19590	53.556	ug/l #	70
19) Methyl tert-butyl Ether	5.222	73	112364	55.290	ug/l #	87
20) Methylene Chloride	4.716	84	45952	57.421	ug/l #	77
21) trans-1,2-Dichloroethene	5.222	96	38495	51.026	ug/l #	76
22) Diisopropyl ether	6.112	45	73745	50.206	ug/l #	78
23) Vinyl Acetate	6.057	43	295700	279.046	ug/l #	78
24) 1,1-Dichloroethane	6.015	63	60442	53.883	ug/l #	93
25) 2-Butanone	6.984	43	54604	283.977	ug/l #	67
26) 2,2-Dichloropropane	6.978	77	64463	51.182	ug/l	92
27) cis-1,2-Dichloroethene	6.978	96	46883	53.540	ug/l	78
28) Bromochloromethane	7.332	49	20613	53.906	ug/l #	30
29) Tetrahydrofuran	7.350	42	29845	266.694	ug/l #	51
30) Chloroform	7.502	83	75258	52.409	ug/l	99
31) Cyclohexane	7.783	56	41181	52.628	ug/l #	68
32) 1,1,1-Trichloroethane	7.704	97	74452	52.133	ug/l	95
36) 1,1-Dichloropropene	7.917	75	46220	47.321	ug/l	94
37) Ethyl Acetate	7.069	43	23439	53.304	ug/l #	92
38) Carbon Tetrachloride	7.899	117	68683	48.019	ug/l	98
39) Methylcyclohexane	9.185	83	57484	51.645	ug/l #	76
40) Benzene	8.161	78	136046	48.818	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11583m	47.763	ug/l	
42) 1,2-Dichloroethane	8.234	62	51246	50.201	ug/l	96
43) Isopropyl Acetate	8.270	43	45804	50.997	ug/l #	89
44) Trichloroethene	8.941	130	47289	50.008	ug/l	96
45) 1,2-Dichloropropane	9.215	63	30159	50.852	ug/l #	88
46) Dibromomethane	9.301	93	25543	50.227	ug/l	98
47) Bromodichloromethane	9.496	83	60473	52.798	ug/l #	98
48) Methyl methacrylate	9.289	41	19309	50.978	ug/l #	50
49) 1,4-Dioxane	9.295	88	6792	1049.681	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	120605	266.804	ug/l	91
52) Toluene	10.246	92	89819	47.252	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	57001	49.598	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	60874	50.167	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	32952	50.308	ug/l	92
56) Ethyl methacrylate	10.508	69	40710	52.734	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	49766	49.518	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	104935	279.334	ug/l #	76
59) 2-Hexanone	10.831	43	85276	264.705	ug/l	91
60) Dibromochloromethane	10.983	129	46029	51.955	ug/l	98
61) 1,2-Dibromoethane	11.087	107	32450	49.234	ug/l	99
64) Tetrachloroethene	10.721	164	40154	52.309	ug/l	95
65) Chlorobenzene	11.514	112	109947	50.511	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	44297	51.362	ug/l	98
67) Ethyl Benzene	11.593	91	182513	49.996	ug/l	96
68) m/p-Xylenes	11.703	106	136795	95.684	ug/l	96
69) o-Xylene	12.026	106	69800	49.642	ug/l	92
70) Styrene	12.044	104	114182	48.545	ug/l	99
71) Bromoform	12.209	173	28703	50.245	ug/l #	99
73) Isopropylbenzene	12.325	105	180828	47.893	ug/l	99
74) N-amyl acetate	12.142	43	40418	54.968	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	33077	48.315	ug/l	95
76) 1,2,3-Trichloropropane	12.629	75	24984m	50.963	ug/l	
77) Bromobenzene	12.605	156	47042	47.794	ug/l	81
78) n-propylbenzene	12.672	91	205276	47.074	ug/l	96
79) 2-Chlorotoluene	12.751	91	115867	47.729	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	154872	48.217	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	11438	50.166	ug/l	94
82) 4-Chlorotoluene	12.855	91	122807	49.606	ug/l	94
83) tert-Butylbenzene	13.075	119	139647	48.652	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	154867	49.192	ug/l	100
85) sec-Butylbenzene	13.251	105	193747	47.769	ug/l	97
86) p-Isopropyltoluene	13.367	119	170040	48.784	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	89978	49.211	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	88320	49.339	ug/l	100
89) n-Butylbenzene	13.696	91	147934	47.138	ug/l	96
90) Hexachloroethane	13.958	117	34077	48.503	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	82147	49.458	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6898	50.095	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	56661	48.924	ug/l	98
94) Hexachlorobutadiene	15.111	225	31152	48.479	ug/l	97
95) Naphthalene	15.233	128	130841	52.636	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51779	51.751	ug/l	98

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

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