

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007595.D
 Acq On : 23 Feb 2022 13:21
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: Feb 23 15:10:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 15:09:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	78790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	124057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	116749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	18710	22.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	45.980%#		
35) Dibromofluoromethane	7.716	113	17922	23.157	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.320%#		
50) Toluene-d8	10.179	98	62536	23.223	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	46.440%#		
62) 4-Bromofluorobenzene	12.477	95	21862	22.586	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	45.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21220	21.248	ug/l	100
3) Chloromethane	2.113	50	21268	23.902	ug/l	98
4) Vinyl Chloride	2.253	62	24339	25.785	ug/l	99
5) Bromomethane	2.644	94	16276	22.974	ug/l	99
6) Chloroethane	2.796	64	15279	25.587	ug/l	98
7) Trichlorofluoromethane	3.125	101	45014	22.071	ug/l	87
8) Diethyl Ether	3.521	74	11750	23.507	ug/l	61
9) 1,1,2-Trichlorotrifluo...	3.899	101	19778	20.985	ug/l	94
10) Methyl Iodide	4.088	142	24650	22.172	ug/l	99
11) Tert butyl alcohol	4.948	59	8791	116.595	ug/l	98
12) 1,1-Dichloroethene	3.875	96	19428	22.874	ug/l #	71
13) Acrolein	3.735	56	12317	181.040	ug/l	97
14) Allyl chloride	4.472	41	17330	20.182	ug/l #	59
15) Acrylonitrile	5.161	53	19861	109.535	ug/l	99
16) Acetone	3.948	43	19555	101.717	ug/l	98
17) Carbon Disulfide	4.186	76	48088	21.973	ug/l	98
18) Methyl Acetate	4.479	43	9027	21.353	ug/l #	70
19) Methyl tert-butyl Ether	5.216	73	49269	21.508	ug/l #	89
20) Methylene Chloride	4.716	84	22775	23.631	ug/l #	76
21) trans-1,2-Dichloroethene	5.222	96	19075	22.303	ug/l #	69
22) Diisopropyl ether	6.118	45	37690	21.751	ug/l #	84
23) Vinyl Acetate	6.058	43	130492	109.779	ug/l #	80
24) 1,1-Dichloroethane	6.015	63	28596	21.692	ug/l	97
25) 2-Butanone	6.984	43	23473	110.137	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	30661	20.803	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	22030	22.673	ug/l	78
28) Bromochloromethane	7.332	49	8946	20.517	ug/l #	26
29) Tetrahydrofuran	7.350	42	13464	108.886	ug/l #	50
30) Chloroform	7.508	83	35319	21.683	ug/l	98
31) Cyclohexane	7.783	56	22770	19.725	ug/l #	60
32) 1,1,1-Trichloroethane	7.704	97	35419	21.405	ug/l	95
36) 1,1-Dichloropropene	7.917	75	23637	20.393	ug/l	94
37) Ethyl Acetate	7.076	43	9645	20.403	ug/l #	84
38) Carbon Tetrachloride	7.899	117	33095	20.665	ug/l	93
39) Methylcyclohexane	9.179	83	30462	20.756	ug/l #	83
40) Benzene	8.161	78	67282	21.451	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	5388	21.514	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	24275	22.214	ug/l	92
43) Isopropyl Acetate	8.271	43	21137	21.797	ug/l #	86
44) Trichloroethene	8.941	130	22071	20.961	ug/l	92
45) 1,2-Dichloropropane	9.215	63	14327	20.641	ug/l	98
46) Dibromomethane	9.307	93	12173	22.418	ug/l	99
47) Bromodichloromethane	9.496	83	27387	21.488	ug/l #	94
48) Methyl methacrylate	9.289	41	8779	21.265	ug/l #	52
49) 1,4-Dioxane	9.295	88	2824	452.820	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	51657	107.004	ug/l #	85
52) Toluene	10.240	92	44666	20.792	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	27822	21.640	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	29386	21.632	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	15895	22.808	ug/l	97
56) Ethyl methacrylate	10.508	69	18360	21.627	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	23972	21.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	43283	105.823	ug/l #	76
59) 2-Hexanone	10.831	43	36747	105.217	ug/l	85
60) Dibromochloromethane	10.983	129	21694	22.704	ug/l	100
61) 1,2-Dibromoethane	11.087	107	16059	22.663	ug/l	96
64) Tetrachloroethene	10.715	164	21193	21.584	ug/l	95
65) Chlorobenzene	11.514	112	52293	21.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	20727	20.919	ug/l	99
67) Ethyl Benzene	11.593	91	88242	20.253	ug/l	96
68) m/p-Xylenes	11.697	106	68607	40.891	ug/l	95
69) o-Xylene	12.026	106	33693	20.861	ug/l	95
70) Styrene	12.044	104	57320	21.311	ug/l	98
71) Bromoform	12.203	173	13035	20.866	ug/l #	98
73) Isopropylbenzene	12.325	105	90432	20.473	ug/l	99
74) N-amyl acetate	12.142	43	17106	20.509	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	16240	21.703	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	10975m	17.613	ug/l	
77) Bromobenzene	12.605	156	23505	22.245	ug/l	80
78) n-propylbenzene	12.666	91	105879	20.556	ug/l	95
79) 2-Chlorotoluene	12.751	91	57240	19.976	ug/l	92
80) 1,3,5-Trimethylbenzene	12.806	105	75491	20.347	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	4944	19.006	ug/l #	89
82) 4-Chlorotoluene	12.855	91	58132	19.883	ug/l	94
83) tert-Butylbenzene	13.075	119	68136	20.509	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	72874	20.026	ug/l	97
85) sec-Butylbenzene	13.251	105	95095	19.891	ug/l	97
86) p-Isopropyltoluene	13.367	119	82588	20.281	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	43669	21.705	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	42516	21.489	ug/l	99
89) n-Butylbenzene	13.690	91	73742	19.951	ug/l	95
90) Hexachloroethane	13.959	117	16461	20.325	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	38903	21.710	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3140	21.450	ug/l	76
93) 1,2,4-Trichlorobenzene	15.001	180	27286	22.369	ug/l	99
94) Hexachlorobutadiene	15.111	225	15854	21.820	ug/l	99
95) Naphthalene	15.233	128	58255	23.242	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	23880	22.676	ug/l	97

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

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