

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011922\
 Data File : VY007236.D
 Acq On : 19 Jan 2022 21:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/20/2022
 Supervised By : Mahesh Dadoda 01/20/2022

Quant Time: Jan 20 00:19:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	107990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	185784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	163911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	73918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	60041	45.312	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.620%		
35) Dibromofluoromethane	7.716	113	58954	46.929	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.860%		
50) Toluene-d8	10.179	98	217412	47.364	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.720%		
62) 4-Bromofluorobenzene	12.483	95	75904	46.486	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	16660	43.998	ug/l	96
3) Chloromethane	2.113	50	35457	44.652	ug/l	95
4) Vinyl Chloride	2.253	62	56386	48.789	ug/l	97
5) Bromomethane	2.662	94	39249	52.447	ug/l	97
6) Chloroethane	2.796	64	36245	50.264	ug/l	99
7) Trichlorofluoromethane	3.125	101	60498	48.572	ug/l	99
8) Diethyl Ether	3.521	74	31532	45.974	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.906	101	58160	47.927	ug/l	98
10) Methyl Iodide	4.088	142	85820	47.815	ug/l	96
11) Tert butyl alcohol	4.948	59	23353	205.846	ug/l	100
12) 1,1-Dichloroethene	3.869	96	58013	47.475	ug/l	95
13) Acrolein	3.723	56	4454	158.101	ug/l	100
14) Allyl chloride	4.479	41	92526	47.223	ug/l	96
15) Acrylonitrile	5.155	53	70605	214.193	ug/l	98
16) Acetone	3.942	43	62276	181.096	ug/l	99
17) Carbon Disulfide	4.192	76	157907	46.532	ug/l	99
18) Methyl Acetate	4.473	43	48772	39.859	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	111955	46.537	ug/l	100
20) Methylene Chloride	4.710	84	63888	44.929	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	63059	47.600	ug/l	99
22) Diisopropyl ether	6.119	45	196871	49.597	ug/l	99
23) Vinyl Acetate	6.058	43	536184	229.691	ug/l	98
24) 1,1-Dichloroethane	6.015	63	118984	49.276	ug/l	99
25) 2-Butanone	6.984	43	90823	204.276	ug/l	97
26) 2,2-Dichloropropane	6.978	77	80462	45.723	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	73597	48.974	ug/l	98
28) Bromochloromethane	7.332	49	48600	55.643	ug/l	93
29) Tetrahydrofuran	7.344	42	60700	212.383	ug/l	96
30) Chloroform	7.502	83	127047	50.639	ug/l	99
31) Cyclohexane	7.783	56	99204	44.284	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	104726	48.837	ug/l	99
36) 1,1-Dichloropropene	7.917	75	93479	46.591	ug/l	100
37) Ethyl Acetate	7.070	43	43232	41.987	ug/l	96
38) Carbon Tetrachloride	7.899	117	97825	46.354	ug/l	97
39) Methylcyclohexane	9.185	83	110689	45.184	ug/l	99
40) Benzene	8.161	78	256321	47.893	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	27454m	46.301	ug/l	
42) 1,2-Dichloroethane	8.234	62	79361	47.089	ug/l	98
43) Isopropyl Acetate	8.271	43	85837	42.843	ug/l	97
44) Trichloroethene	8.941	130	67967	46.930	ug/l	98
45) 1,2-Dichloropropane	9.216	63	65240	47.936	ug/l	97
46) Dibromomethane	9.307	93	36088	44.840	ug/l	96
47) Bromodichloromethane	9.496	83	96022	48.532	ug/l	98
48) Methyl methacrylate	9.289	41	38451	42.194	ug/l	98
49) 1,4-Dioxane	9.301	88	7836	902.997	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	212209	208.892	ug/l	97
52) Toluene	10.246	92	165763	48.863	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	94397	45.196	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	109400	46.794	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	48952	44.841	ug/l	96
56) Ethyl methacrylate	10.508	69	67197	43.693	ug/l	95
57) 1,3-Dichloropropane	10.788	76	86898	45.667	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	139266	199.144	ug/l	98
59) 2-Hexanone	10.831	43	142452	206.621	ug/l	97
60) Dibromochloromethane	10.984	129	61866	46.100	ug/l	100
61) 1,2-Dibromoethane	11.087	107	47071	43.890	ug/l	100
64) Tetrachloroethene	10.721	164	56934	48.189	ug/l	95
65) Chlorobenzene	11.514	112	172028	47.999	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	62933	47.369	ug/l	98
67) Ethyl Benzene	11.593	91	324322	48.146	ug/l	98
68) m/p-Xylenes	11.703	106	238647	95.334	ug/l	100
69) o-Xylene	12.026	106	111906	47.470	ug/l	97
70) Styrene	12.044	104	192971	48.523	ug/l	99
71) Bromoform	12.209	173	33709	43.864	ug/l #	99
73) Isopropylbenzene	12.331	105	303341	47.513	ug/l	100
74) N-amyl acetate	12.142	43	76337	44.714	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	53944	43.452	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	40477m	48.023	ug/l	
77) Bromobenzene	12.605	156	65284	46.994	ug/l	99
78) n-propylbenzene	12.672	91	373280	47.165	ug/l	99
79) 2-Chlorotoluene	12.758	91	210451	47.826	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	247418	47.199	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	18868	40.982	ug/l #	100
82) 4-Chlorotoluene	12.855	91	218728	47.651	ug/l	100
83) tert-Butylbenzene	13.075	119	220921	48.773	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	248956	47.913	ug/l	100
85) sec-Butylbenzene	13.251	105	322759	47.630	ug/l	99
86) p-Isopropyltoluene	13.367	119	264619	47.519	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	129131	47.490	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	127558	46.653	ug/l	99
89) n-Butylbenzene	13.696	91	259580	47.342	ug/l	99
90) Hexachloroethane	13.959	117	53402	49.052	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	112536	46.515	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8351	38.947	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	66764	45.380	ug/l	100
94) Hexachlorobutadiene	15.111	225	36041	47.532	ug/l	98
95) Naphthalene	15.233	128	133376	42.683	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	57284	45.638	ug/l	100

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

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