

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012022\
 Data File : VY007238.D
 Acq On : 20 Jan 2022 10:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/21/2022
 Supervised By : Mahesh Dadoda 01/21/2022

Quant Time: Jan 21 00:45:11 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	7.795	168	103685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	174616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	154765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	65112	51.180	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.722	113	61430	52.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.060%			
50) Toluene-d8	10.179	98	227762	52.792	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.580%			
62) 4-Bromofluorobenzene	12.483	95	79927	52.081	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	20552	56.530	ug/l	96
3) Chloromethane	2.119	50	38321	50.263	ug/l	98
4) Vinyl Chloride	2.259	62	60838	54.827	ug/l	96
5) Bromomethane	2.668	94	40976	57.028	ug/l	96
6) Chloroethane	2.802	64	38382	55.437	ug/l	99
7) Trichlorofluoromethane	3.131	101	62455	52.225	ug/l	100
8) Diethyl Ether	3.527	74	34920	53.027	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	62500	53.641	ug/l	98
10) Methyl Iodide	4.094	142	91144	52.889	ug/l	98
11) Tert butyl alcohol	4.948	59	25566	235.397	ug/l	98
12) 1,1-Dichloroethene	3.875	96	62103	52.932	ug/l	98
13) Acrolein	3.729	56	4704	175.647	ug/l	97
14) Allyl chloride	4.478	41	99959	53.135	ug/l	97
15) Acrylonitrile	5.161	53	82080	259.343	ug/l	97
16) Acetone	3.948	43	82033	248.453	ug/l	98
17) Carbon Disulfide	4.198	76	167773	51.493	ug/l	100
18) Methyl Acetate	4.472	43	55578	47.307	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	121005	52.388	ug/l	100
20) Methylene Chloride	4.716	84	76068	55.715	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	66528	52.304	ug/l	97
22) Diisopropyl ether	6.118	45	204190	53.576	ug/l	98
23) Vinyl Acetate	6.057	43	607489	271.042	ug/l	99
24) 1,1-Dichloroethane	6.015	63	123130	53.110	ug/l	100
25) 2-Butanone	6.984	43	107518	251.867	ug/l	99
26) 2,2-Dichloropropane	6.984	77	88595	52.435	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	76279	52.866	ug/l	98
28) Bromochloromethane	7.338	49	45252	53.961	ug/l	96
29) Tetrahydrofuran	7.344	42	68544	249.786	ug/l	98
30) Chloroform	7.508	83	131405	54.551	ug/l	99
31) Cyclohexane	7.789	56	107064	49.777	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	112001	54.398	ug/l	99
36) 1,1-Dichloropropene	7.917	75	101121	53.623	ug/l	99
37) Ethyl Acetate	7.076	43	47895	49.490	ug/l	96
38) Carbon Tetrachloride	7.905	117	106565	53.725	ug/l	98
39) Methylcyclohexane	9.185	83	120700	52.422	ug/l	98
40) Benzene	8.161	78	268238	53.325	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	25519m	45.790	ug/l	
42) 1,2-Dichloroethane	8.240	62	84555	53.380	ug/l	99
43) Isopropyl Acetate	8.270	43	96899	51.458	ug/l	98
44) Trichloroethene	8.941	130	71122	52.249	ug/l	98
45) 1,2-Dichloropropane	9.215	63	67807	53.008	ug/l	94
46) Dibromomethane	9.307	93	40124	53.043	ug/l	98
47) Bromodichloromethane	9.496	83	102566	55.155	ug/l	97
48) Methyl methacrylate	9.295	41	44839	52.351	ug/l	97
49) 1,4-Dioxane	9.301	88	8803	1079.312	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	243001	254.502	ug/l	97
52) Toluene	10.246	92	171403	53.757	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	106505	54.255	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	118736	54.035	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	53752	52.388	ug/l	98
56) Ethyl methacrylate	10.508	69	75346	52.125	ug/l	96
57) 1,3-Dichloropropane	10.794	76	96302	53.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	158744	241.515	ug/l	98
59) 2-Hexanone	10.831	43	161688	249.522	ug/l	97
60) Dibromochloromethane	10.983	129	69081	54.769	ug/l	99
61) 1,2-Dibromoethane	11.087	107	52560	52.143	ug/l	100
64) Tetrachloroethene	10.721	164	57916	51.917	ug/l	95
65) Chlorobenzene	11.520	112	179567	53.063	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	67320	53.666	ug/l	99
67) Ethyl Benzene	11.593	91	343145	53.951	ug/l	100
68) m/p-Xylenes	11.703	106	254040	107.480	ug/l	99
69) o-Xylene	12.032	106	119834	53.837	ug/l	99
70) Styrene	12.044	104	206375	54.961	ug/l	100
71) Bromoform	12.209	173	38759	53.416	ug/l #	97
73) Isopropylbenzene	12.331	105	325510	53.394	ug/l	99
74) N-amyl acetate	12.142	43	87680	53.784	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	60496	51.032	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	38555m	47.904	ug/l	
77) Bromobenzene	12.611	156	71005	53.528	ug/l	98
78) n-propylbenzene	12.672	91	402956	53.320	ug/l	99
79) 2-Chlorotoluene	12.757	91	221953	52.823	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	266204	53.182	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	22457	51.082	ug/l #	99
82) 4-Chlorotoluene	12.855	91	228400	52.109	ug/l	99
83) tert-Butylbenzene	13.075	119	230061	53.191	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	265014	53.413	ug/l	99
85) sec-Butylbenzene	13.257	105	345779	53.438	ug/l	99
86) p-Isopropyltoluene	13.373	119	286414	53.863	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	139564	53.752	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	135441	51.877	ug/l	100
89) n-Butylbenzene	13.696	91	283871	54.218	ug/l	99
90) Hexachloroethane	13.965	117	57059	54.887	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	120992	52.373	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10264	50.131	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	77016	54.821	ug/l	99
94) Hexachlorobutadiene	15.111	225	38446	53.100	ug/l	99
95) Naphthalene	15.239	128	159950	53.606	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	65327	54.505	ug/l	100

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

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