

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012622\
 Data File : VY007298.D
 Acq On : 26 Jan 2022 10:47
 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 01/27/2022
 Supervised By : Mahesh Dadoda 01/27/2022

Quant Time: Jan 27 00:32:20 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	90869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	153978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	135927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	49329	44.242	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.480%		
35) Dibromofluoromethane	7.722	113	47366	45.493	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.980%		
50) Toluene-d8	10.185	98	160159	42.098	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	84.200%		
62) 4-Bromofluorobenzene	12.483	95	57821	42.726	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	15262	47.900	ug/l	98
3) Chloromethane	2.119	50	32696	48.933	ug/l	99
4) Vinyl Chloride	2.266	62	48404	49.774	ug/l	97
5) Bromomethane	2.668	94	33195	52.715	ug/l	99
6) Chloroethane	2.802	64	30397	50.096	ug/l	97
7) Trichlorofluoromethane	3.137	101	54955	52.435	ug/l	98
8) Diethyl Ether	3.534	74	30343	52.575	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	51833	50.761	ug/l	99
10) Methyl Iodide	4.094	142	76012	50.329	ug/l	97
11) Tert butyl alcohol	4.960	59	27192	286.728	ug/l	97
12) 1,1-Dichloroethene	3.875	96	50017	48.643	ug/l	97
13) Acrolein	3.741	56	4959	214.814	ug/l	97
14) Allyl chloride	4.491	41	80445	48.793	ug/l	98
15) Acrylonitrile	5.167	53	81473	293.732	ug/l	99
16) Acetone	3.948	43	73950	255.561	ug/l	96
17) Carbon Disulfide	4.204	76	127831	44.767	ug/l	100
18) Methyl Acetate	4.485	43	55042	53.459	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	115255	56.936	ug/l	99
20) Methylene Chloride	4.722	84	57542	48.090	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	53672	48.148	ug/l	98
22) Diisopropyl ether	6.125	45	173727	52.012	ug/l	99
23) Vinyl Acetate	6.070	43	543193	276.537	ug/l	99
24) 1,1-Dichloroethane	6.027	63	102168	50.284	ug/l	99
25) 2-Butanone	6.990	43	102798	274.773	ug/l	98
26) 2,2-Dichloropropane	6.990	77	76053	51.360	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	63755	50.418	ug/l	98
28) Bromochloromethane	7.338	49	40784	55.492	ug/l	99
29) Tetrahydrofuran	7.350	42	69621	289.494	ug/l	99
30) Chloroform	7.515	83	111536	52.833	ug/l	99
31) Cyclohexane	7.795	56	86549	45.914	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	92415	51.216	ug/l	99
36) 1,1-Dichloropropene	7.923	75	82159	49.407	ug/l	99
37) Ethyl Acetate	7.076	43	47448	55.600	ug/l	98
38) Carbon Tetrachloride	7.905	117	86964	49.720	ug/l	99
39) Methylcyclohexane	9.191	83	97356	47.951	ug/l	97
40) Benzene	8.167	78	219181	49.413	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	25065m	51.003	ug/l	
42) 1,2-Dichloroethane	8.240	62	73110	52.341	ug/l	98
43) Isopropyl Acetate	8.277	43	92979	55.994	ug/l	97
44) Trichloroethene	8.947	130	60169	50.127	ug/l	97
45) 1,2-Dichloropropane	9.222	63	57911	51.340	ug/l	94
46) Dibromomethane	9.313	93	35325	52.958	ug/l	98
47) Bromodichloromethane	9.502	83	87313	53.246	ug/l	100
48) Methyl methacrylate	9.295	41	39643	52.488	ug/l	94
49) 1,4-Dioxane	9.307	88	9119	1267.911	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	242820	288.398	ug/l	97
52) Toluene	10.252	92	141010	50.152	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	91366	52.781	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	102019	52.650	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	48744	53.874	ug/l	97
56) Ethyl methacrylate	10.514	69	69820	54.776	ug/l	95
57) 1,3-Dichloropropane	10.794	76	84388	53.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	145924	251.767	ug/l	99
59) 2-Hexanone	10.837	43	161646	282.893	ug/l	98
60) Dibromochloromethane	10.990	129	61198	55.022	ug/l	100
61) 1,2-Dibromoethane	11.093	107	48188	54.213	ug/l	99
64) Tetrachloroethene	10.721	164	47621	48.605	ug/l	93
65) Chlorobenzene	11.520	112	152276	51.235	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	58733	53.309	ug/l	99
67) Ethyl Benzene	11.599	91	284029	50.846	ug/l	98
68) m/p-Xylenes	11.709	106	210550	101.426	ug/l	100
69) o-Xylene	12.032	106	98290	50.278	ug/l	97
70) Styrene	12.050	104	173359	52.566	ug/l	99
71) Bromoform	12.215	173	36056	56.578	ug/l #	99
73) Isopropylbenzene	12.337	105	267802	49.437	ug/l	99
74) N-amyl acetate	12.148	43	79052	54.573	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	57447	54.537	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	41662m	58.256	ug/l	
77) Bromobenzene	12.611	156	59477	50.460	ug/l	98
78) n-propylbenzene	12.678	91	331024	49.295	ug/l	100
79) 2-Chlorotoluene	12.764	91	184646	49.455	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	218073	49.030	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	21660	55.448	ug/l #	98
82) 4-Chlorotoluene	12.861	91	191800	49.246	ug/l	100
83) tert-Butylbenzene	13.081	119	195634	50.903	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	219008	49.676	ug/l	100
85) sec-Butylbenzene	13.257	105	286456	49.821	ug/l	99
86) p-Isopropyltoluene	13.373	119	234376	49.604	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	116969	50.699	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	116100	50.045	ug/l	99
89) n-Butylbenzene	13.703	91	229433	49.316	ug/l	99
90) Hexachloroethane	13.965	117	47266	51.168	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	104483	50.899	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9649	53.037	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	63097	50.546	ug/l	99
94) Hexachlorobutadiene	15.117	225	31688	49.254	ug/l	98
95) Naphthalene	15.239	128	142241	53.649	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	53717	50.439	ug/l	99

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

