

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032622\
 Data File : VY008056.D
 Acq On : 26 Mar 2022 19:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 28 09:31:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

03/28/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	133381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	232925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	214487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106370	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	75139	56.149	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.300%
35) Dibromofluoromethane	7.715	113	80573	55.173	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.340%
50) Toluene-d8	10.178	98	300219	54.566	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.140%
62) 4-Bromofluorobenzene	12.483	95	105625	54.415	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	63135	52.508	ug/l	97
3) Chloromethane	2.113	50	83771	57.214	ug/l	98
4) Vinyl Chloride	2.253	62	107909	55.391	ug/l	96
5) Bromomethane	2.649	94	88394	55.366	ug/l	100
6) Chloroethane	2.796	64	71766	56.003	ug/l	99
7) Trichlorofluoromethane	3.125	101	126016	51.136	ug/l	92
8) Diethyl Ether	3.533	74	43834	54.927	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.899	101	80351	52.563	ug/l	92
10) Methyl Iodide	4.094	142	84548	47.443	ug/l	91
11) Tert butyl alcohol	4.954	59	35933	258.801	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	74710	52.792	ug/l	83
13) Acrolein	3.728	56	24415	216.042	ug/l	96
14) Allyl chloride	4.484	41	103137	55.392	ug/l #	90
15) Acrylonitrile	5.161	53	105416	277.316	ug/l	98
16) Acetone	3.948	43	74242	242.719	ug/l #	86
17) Carbon Disulfide	4.192	76	218154	54.403	ug/l	100
18) Methyl Acetate	4.472	43	45950	58.420	ug/l #	83
19) Methyl tert-butyl Ether	5.222	73	222739	55.384	ug/l	94
20) Methylene Chloride	4.716	84	94665	61.954	ug/l #	82
21) trans-1,2-Dichloroethene	5.216	96	89459	54.594	ug/l #	80
22) Diisopropyl ether	6.118	45	230506	57.543	ug/l #	90
23) Vinyl Acetate	6.057	43	755606	304.419	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	149528	56.383	ug/l	97
25) 2-Butanone	6.984	43	125103	268.764	ug/l #	72
26) 2,2-Dichloropropane	6.984	77	129904	51.723	ug/l	93
27) cis-1,2-Dichloroethene	6.990	96	105907	55.760	ug/l	81
28) Bromochloromethane	7.331	49	40018	58.626	ug/l #	68
29) Tetrahydrofuran	7.350	42	83997	277.565	ug/l #	74
30) Chloroform	7.508	83	161682	56.305	ug/l	96
31) Cyclohexane	7.782	56	128556	51.393	ug/l #	85
32) 1,1,1-Trichloroethane	7.703	97	146420	55.185	ug/l	95
36) 1,1-Dichloropropene	7.917	75	121534	52.980	ug/l	95
37) Ethyl Acetate	7.075	43	58232	54.339	ug/l #	90
38) Carbon Tetrachloride	7.898	117	131283	52.515	ug/l	96
39) Methylcyclohexane	9.185	83	158700	51.253	ug/l #	86
40) Benzene	8.160	78	355314	54.148	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	30675	57.007	ug/l #	51
42) 1,2-Dichloroethane	8.234	62	100251	54.462	ug/l	90
43) Isopropyl Acetate	8.270	43	112232	53.350	ug/l #	85
44) Trichloroethene	8.941	130	100399	52.911	ug/l	99
45) 1,2-Dichloropropane	9.215	63	84983	54.953	ug/l	95
46) Dibromomethane	9.307	93	55785	54.861	ug/l	95
47) Bromodichloromethane	9.496	83	127385	54.785	ug/l	98
48) Methyl methacrylate	9.294	41	48463	52.012	ug/l #	76
49) 1,4-Dioxane	9.294	88	15530	1148.868	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	287946	271.384	ug/l #	84
52) Toluene	10.245	92	235963	54.833	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	128639	53.972	ug/l	98
54) cis-1,3-Dichloropropene	9.928	75	146329	54.234	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	78174	55.677	ug/l	97
56) Ethyl methacrylate	10.508	69	100854	55.065	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	126658	55.116	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	200744	264.535	ug/l #	89
59) 2-Hexanone	10.831	43	199598	268.836	ug/l	81
60) Dibromochloromethane	10.983	129	93811	54.936	ug/l	100
61) 1,2-Dibromoethane	11.087	107	77798	55.634	ug/l	98
64) Tetrachloroethene	10.721	164	83751	50.839	ug/l	94
65) Chlorobenzene	11.514	112	258564	53.464	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	95922	53.771	ug/l	97
67) Ethyl Benzene	11.593	91	455292	53.713	ug/l	95
68) m/p-Xylenes	11.703	106	367294	108.972	ug/l	90
69) o-Xylene	12.032	106	175578	54.406	ug/l	90
70) Styrene	12.044	104	294605	55.765	ug/l	94
71) Bromoform	12.209	173	58213	54.047	ug/l #	98
73) Isopropylbenzene	12.330	105	460264	52.422	ug/l	99
74) N-amyl acetate	12.141	43	99284	51.442	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.580	83	91153	53.414	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	66918m	51.608	ug/l	
77) Bromobenzene	12.611	156	105242	52.249	ug/l	93
78) n-propylbenzene	12.672	91	538721	52.019	ug/l	97
79) 2-Chlorotoluene	12.757	91	301041	52.401	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	379634	52.780	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	29370	50.537	ug/l #	82
82) 4-Chlorotoluene	12.855	91	308699	52.368	ug/l	95
83) tert-Butylbenzene	13.074	119	337159	52.614	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	374574	53.477	ug/l	97
85) sec-Butylbenzene	13.257	105	499065	52.763	ug/l	99
86) p-Isopropyltoluene	13.373	119	416019	52.849	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	215317	53.918	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	210330	52.813	ug/l	99
89) n-Butylbenzene	13.696	91	371891	51.348	ug/l	97
90) Hexachloroethane	13.964	117	81127	53.190	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	189938	54.023	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	13588	49.887	ug/l	73
93) 1,2,4-Trichlorobenzene	15.013	180	103609	49.202	ug/l	99
94) Hexachlorobutadiene	15.117	225	54208	48.661	ug/l	99
95) Naphthalene	15.238	128	238213	51.177	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	91762	50.362	ug/l	98

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

