

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111622\
 Data File : VY011465.D
 Acq On : 16 Nov 2022 11:23
 Operator : KP/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 :Krupa
 Patel

11/17/2022

Supervised By :Mahesh
 Dadoda

11/17/2022

Quant Time: Nov 17 03:14:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	288998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	448977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	396409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	196301	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.142	65	109572	45.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.500%
35) Dibromofluoromethane	7.722	113	124387	49.435	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.880%
50) Toluene-d8	10.185	98	448282	46.635	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.280%
62) 4-Bromofluorobenzene	12.483	95	166541	49.673	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.340%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.906	85	86495	50.220	ug/l	99
3) Chloromethane	2.119	50	103139	44.405	ug/l	94
4) Vinyl Chloride	2.253	62	128412	46.901	ug/l	99
5) Bromomethane	2.656	94	93126	46.970	ug/l	96
6) Chloroethane	2.796	64	88847	48.869	ug/l	100
7) Trichlorofluoromethane	3.131	101	217242	50.288	ug/l	93
8) Diethyl Ether	3.534	74	76991	50.753	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.905	101	137043	52.325	ug/l	95
10) Methyl Iodide	4.094	142	183027	52.397	ug/l	89
11) Tert butyl alcohol	4.954	59	69180	229.962	ug/l	99
12) 1,1-Dichloroethene	3.875	96	131446	50.690	ug/l #	77
13) Acrolein	3.729	56	17340	241.916	ug/l	97
14) Allyl chloride	4.485	41	179758	51.367	ug/l #	82
15) Acrylonitrile	5.167	53	186723	257.603	ug/l	97
16) Acetone	3.948	43	190390	297.930	ug/l #	80
17) Carbon Disulfide	4.198	76	350061	45.322	ug/l	99
18) Methyl Acetate	4.478	43	84697	47.730	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	359305	52.979	ug/l	94
20) Methylene Chloride	4.722	84	193507	56.711	ug/l #	77
21) trans-1,2-Dichloroethene	5.222	96	149864	50.688	ug/l	85
22) Diisopropyl ether	6.118	45	393793	52.727	ug/l #	89
23) Vinyl Acetate	6.064	43	1175368	269.007	ug/l #	88
24) 1,1-Dichloroethane	6.021	63	254884	52.408	ug/l	98
25) 2-Butanone	6.984	43	242399	266.293	ug/l #	76
26) 2,2-Dichloropropane	6.984	77	239723	52.705	ug/l	93
27) cis-1,2-Dichloroethene	6.990	96	174807	52.535	ug/l	83
28) Bromochloromethane	7.338	49	83457	47.251	ug/l #	70
29) Tetrahydrofuran	7.350	42	138395	250.990	ug/l #	75
30) Chloroform	7.508	83	270084	52.507	ug/l	99
31) Cyclohexane	7.789	56	209873	48.229	ug/l	86
32) 1,1,1-Trichloroethane	7.703	97	244599	52.577	ug/l #	93
36) 1,1-Dichloropropene	7.923	75	201357	51.561	ug/l	95
37) Ethyl Acetate	7.076	43	95472	50.893	ug/l #	89
38) Carbon Tetrachloride	7.905	117	224699	52.895	ug/l	100
39) Methylcyclohexane	9.185	83	249002	52.182	ug/l	88
40) Benzene	8.161	78	606153	51.977	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	46961m	48.343	ug/l	
42) 1,2-Dichloroethane	8.240	62	157181	51.430	ug/l	89
43) Isopropyl Acetate	8.270	43	174162	51.463	ug/l #	83
44) Trichloroethene	8.941	130	174429	53.245	ug/l	98
45) 1,2-Dichloropropane	9.222	63	145993	52.600	ug/l	96
46) Dibromomethane	9.307	93	83598	51.732	ug/l	96
47) Bromodichloromethane	9.496	83	207022	53.470	ug/l	98
48) Methyl methacrylate	9.295	41	79275	52.126	ug/l #	69
49) 1,4-Dioxane	9.301	88	23131	1048.470	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	482219	264.975	ug/l #	82
52) Toluene	10.246	92	392446	52.698	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	213117	53.383	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	244112	52.980	ug/l #	79
55) 1,1,2-Trichloroethane	10.648	97	124538	53.218	ug/l	97
56) Ethyl methacrylate	10.514	69	163600	54.365	ug/l #	70
57) 1,3-Dichloropropane	10.794	76	206307	52.847	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	362452	260.562	ug/l	91
59) 2-Hexanone	10.837	43	357147	277.024	ug/l	78
60) Dibromochloromethane	10.989	129	154610	53.524	ug/l	100
61) 1,2-Dibromoethane	11.093	107	117325	52.144	ug/l	99
64) Tetrachloroethene	10.721	164	172205	54.347	ug/l	96
65) Chlorobenzene	11.520	112	428059	53.952	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	160735	54.148	ug/l	98
67) Ethyl Benzene	11.593	91	754575	54.428	ug/l	99
68) m/p-Xylenes	11.703	106	596370	109.723	ug/l	93
69) o-Xylene	12.032	106	282277	55.063	ug/l	92
70) Styrene	12.044	104	481849	55.914	ug/l	94
71) Bromoform	12.209	173	100250	54.485	ug/l #	99
73) Isopropylbenzene	12.331	105	760230	56.032	ug/l	100
74) N-amyl acetate	12.148	43	153593	53.808	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.587	83	138389	53.088	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	96764m	42.585	ug/l	
77) Bromobenzene	12.611	156	175774	54.176	ug/l	91
78) n-propylbenzene	12.672	91	902348	55.738	ug/l	97
79) 2-Chlorotoluene	12.757	91	505557	54.605	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	636818	55.649	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	50580	53.506	ug/l #	80
82) 4-Chlorotoluene	12.855	91	519622	54.064	ug/l	97
83) tert-Butylbenzene	13.081	119	569316	57.542	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	626081	55.738	ug/l	98
85) sec-Butylbenzene	13.257	105	822690	56.488	ug/l	99
86) p-Isopropyltoluene	13.373	119	698386	57.207	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	350477	54.113	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	344722	53.822	ug/l	99
89) n-Butylbenzene	13.702	91	631511	57.570	ug/l	98
90) Hexachloroethane	13.965	117	131177	54.919	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	310045	53.964	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	22067	51.955	ug/l	74
93) 1,2,4-Trichlorobenzene	15.013	180	194880	57.538	ug/l	99
94) Hexachlorobutadiene	15.117	225	116118	58.030	ug/l	99
95) Naphthalene	15.239	128	378928	50.956	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	164804	56.347	ug/l	98

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

