

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030422\
 Data File : VY007758.D
 Acq On : 04 Mar 2022 21:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 03/07/2022

Supervised By :Mahesh
 Dadoda
 03/07/2022

Quant Time: Mar 05 04:27:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	345778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	536852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	497745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	260681	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.143	65	154726	42.742	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.480%
35) Dibromofluoromethane	7.722	113	155961	45.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.880%
50) Toluene-d8	10.179	98	533115	42.196	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.400%
62) 4-Bromofluorobenzene	12.483	95	184177	45.223	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.440%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.906	85	107075	47.033	ug/l	100
3) Chloromethane	2.113	50	153763	42.327	ug/l	97
4) Vinyl Chloride	2.253	62	229600	44.261	ug/l	99
5) Bromomethane	2.650	94	223633	53.341	ug/l	96
6) Chloroethane	2.796	64	173744	43.674	ug/l	98
7) Trichlorofluoromethane	3.131	101	284320	47.972	ug/l	91
8) Diethyl Ether	3.534	74	97215	50.975	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.899	101	182622	50.477	ug/l	97
10) Methyl Iodide	4.094	142	189656	43.086	ug/l	91
11) Tert butyl alcohol	4.960	59	85062	271.405	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	156328	48.686	ug/l	83
13) Acrolein	3.735	56	45885	158.972	ug/l	99
14) Allyl chloride	4.479	41	207923	43.051	ug/l #	82
15) Acrylonitrile	5.167	53	251212	249.549	ug/l	99
16) Acetone	3.954	43	178148	241.916	ug/l	92
17) Carbon Disulfide	4.198	76	364438	46.698	ug/l	100
18) Methyl Acetate	4.479	43	100720	46.331	ug/l #	80
19) Methyl tert-butyl Ether	5.222	73	542083	54.395	ug/l	96
20) Methylene Chloride	4.716	84	201010	57.504	ug/l #	79
21) trans-1,2-Dichloroethene	5.222	96	186094	49.669	ug/l	83
22) Diisopropyl ether	6.118	45	570387	49.437	ug/l #	91
23) Vinyl Acetate	6.064	43	1918539	262.946	ug/l #	90
24) 1,1-Dichloroethane	6.021	63	341726	49.019	ug/l	97
25) 2-Butanone	6.990	43	321558	260.300	ug/l #	80
26) 2,2-Dichloropropane	6.984	77	315863	50.914	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	236996	53.945	ug/l	85
28) Bromochloromethane	7.338	49	123542	41.671	ug/l #	75
29) Tetrahydrofuran	7.344	42	210869	249.472	ug/l #	77
30) Chloroform	7.508	83	387783	53.692	ug/l	100
31) Cyclohexane	7.789	56	271394	48.545	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	349311	54.345	ug/l	97
36) 1,1-Dichloropropene	7.917	75	266827	49.419	ug/l	96
37) Ethyl Acetate	7.076	43	147034	49.305	ug/l #	93
38) Carbon Tetrachloride	7.905	117	318014	55.215	ug/l	98
39) Methylcyclohexane	9.185	83	336020	50.639	ug/l #	87
40) Benzene	8.161	78	782027	52.044	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	68792m	48.272	ug/l	
42) 1,2-Dichloroethane	8.240	62	253947	54.161	ug/l	94
43) Isopropyl Acetate	8.277	43	291783	52.907	ug/l #	90
44) Trichloroethene	8.941	130	232493	55.710	ug/l	98
45) 1,2-Dichloropropane	9.215	63	203328	52.325	ug/l	96
46) Dibromomethane	9.307	93	133885	57.399	ug/l	98
47) Bromodichloromethane	9.496	83	312865	57.187	ug/l	99
48) Methyl methacrylate	9.295	41	125475	52.489	ug/l #	76
49) 1,4-Dioxane	9.301	88	31160	1106.538	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	793625	268.947	ug/l	88
52) Toluene	10.246	92	529840	54.533	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	314959	56.073	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	344409	55.498	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	185191	58.360	ug/l	98
56) Ethyl methacrylate	10.508	69	243990	57.914	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	301097	56.112	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	546954	238.057	ug/l	92
59) 2-Hexanone	10.831	43	542539	273.020	ug/l	84
60) Dibromochloromethane	10.983	129	242052	64.060	ug/l	99
61) 1,2-Dibromoethane	11.087	107	179016	59.186	ug/l	99
64) Tetrachloroethene	10.721	164	201809	54.698	ug/l	97
65) Chlorobenzene	11.514	112	603470	55.649	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	244466	60.284	ug/l	99
67) Ethyl Benzene	11.593	91	1055681	53.982	ug/l	98
68) m/p-Xylenes	11.703	106	824337	109.860	ug/l	92
69) o-Xylene	12.026	106	400396	56.310	ug/l	91
70) Styrene	12.044	104	687338	57.731	ug/l	95
71) Bromoform	12.209	173	157399	62.337	ug/l #	98
73) Isopropylbenzene	12.331	105	1071280	52.750	ug/l	100
74) N-amyl acetate	12.142	43	275711	51.001	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	229821	53.956	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	158625m	54.488	ug/l	
77) Bromobenzene	12.611	156	265186	56.691	ug/l	88
78) n-propylbenzene	12.672	91	1277849	52.145	ug/l	99
79) 2-Chlorotoluene	12.758	91	686103	52.321	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	872713	53.743	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	71435	50.165	ug/l	88
82) 4-Chlorotoluene	12.855	91	721533	53.493	ug/l	94
83) tert-Butylbenzene	13.075	119	807982	54.093	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	872136	54.525	ug/l	96
85) sec-Butylbenzene	13.251	105	1183092	53.544	ug/l	98
86) p-Isopropyltoluene	13.367	119	1015043	55.620	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	529889	56.926	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	515185	56.077	ug/l	97
89) n-Butylbenzene	13.696	91	902169	52.306	ug/l	98
90) Hexachloroethane	13.959	117	195610	56.547	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	473777	57.321	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	34116	52.889	ug/l	69
93) 1,2,4-Trichlorobenzene	15.007	180	300571	57.441	ug/l	98
94) Hexachlorobutadiene	15.111	225	174859	56.520	ug/l	98
95) Naphthalene	15.233	128	612216	57.511	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	270079	57.912	ug/l	99

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

