

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011985.D
 Acq On : 22 Dec 2022 19:18
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 23 04:33:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	217259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	338493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	305861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151368	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	105604	48.247	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.500%
35) Dibromofluoromethane	7.716	113	100108	49.125	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.240%
50) Toluene-d8	10.179	98	402956	48.737	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.483	95	136032	48.920	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.840%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	74989	43.608	ug/l	99
3) Chloromethane	2.113	50	81679	42.241	ug/l	100
4) Vinyl Chloride	2.253	62	89001	41.737	ug/l	96
5) Bromomethane	2.650	94	66237	43.661	ug/l	100
6) Chloroethane	2.796	64	59248	42.507	ug/l	98
7) Trichlorofluoromethane	3.131	101	161614	43.295	ug/l	100
8) Diethyl Ether	3.527	74	50584	43.918	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	88011	42.829	ug/l	98
10) Methyl Iodide	4.088	142	124839	43.909	ug/l	97
11) Tert butyl alcohol	4.948	59	35329	150.591	ug/l	99
12) 1,1-Dichloroethene	3.875	96	90147	43.856	ug/l	98
13) Acrolein	3.729	56	39437	192.742	ug/l	99
14) Allyl chloride	4.479	41	126789	41.886	ug/l	92
15) Acrylonitrile	5.161	53	114341	213.411	ug/l	99
16) Acetone	3.942	43	105397	163.013	ug/l	97
17) Carbon Disulfide	4.192	76	274285	41.832	ug/l	100
18) Methyl Acetate	4.479	43	61905	40.930	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	240055	45.516	ug/l	98
20) Methylene Chloride	4.716	84	112932	44.134	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	102596	43.927	ug/l	97
22) Diisopropyl ether	6.118	45	276964	46.457	ug/l	97
23) Vinyl Acetate	6.058	43	781353	227.800	ug/l	98
24) 1,1-Dichloroethane	6.015	63	175225	45.217	ug/l	99
25) 2-Butanone	6.984	43	139568	191.420	ug/l	97
26) 2,2-Dichloropropane	6.978	77	159482	42.058	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	116879	46.269	ug/l	96
28) Bromochloromethane	7.332	49	48516	45.623	ug/l	92
29) Tetrahydrofuran	7.344	42	88422	214.044	ug/l	94
30) Chloroform	7.502	83	191664	45.887	ug/l	98
31) Cyclohexane	7.783	56	148354	40.261	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	175741	44.236	ug/l	99
36) 1,1-Dichloropropene	7.917	75	138581	42.396	ug/l	99
37) Ethyl Acetate	7.069	43	61770	42.120	ug/l	98
38) Carbon Tetrachloride	7.899	117	162346	43.004	ug/l	99
39) Methylcyclohexane	9.185	83	168531	42.849	ug/l	98
40) Benzene	8.161	78	410874	43.923	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26806	37.799	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	119517	44.382	ug/l	100
43) Isopropyl Acetate	8.271	43	113436	42.352	ug/l	96
44) Trichloroethene	8.941	130	115480	43.798	ug/l	100
45) 1,2-Dichloropropane	9.215	63	96390	44.597	ug/l	99
46) Dibromomethane	9.301	93	54895	44.093	ug/l	98
47) Bromodichloromethane	9.496	83	141537	44.812	ug/l	96
48) Methyl methacrylate	9.295	41	54248	43.744	ug/l	97
49) 1,4-Dioxane	9.295	88	13345	897.796	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	306059	214.301	ug/l	99
52) Toluene	10.246	92	267690	44.915	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	141628	44.376	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	163475	45.569	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	79212	44.836	ug/l	97
56) Ethyl methacrylate	10.508	69	101496	45.375	ug/l	98
57) 1,3-Dichloropropane	10.788	76	132038	44.785	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	198083	229.491	ug/l	97
59) 2-Hexanone	10.831	43	214819	204.458	ug/l	97
60) Dibromochloromethane	10.983	129	101341	45.534	ug/l	100
61) 1,2-Dibromoethane	11.087	107	73010	44.171	ug/l	100
64) Tetrachloroethene	10.721	164	116630	43.564	ug/l	98
65) Chlorobenzene	11.514	112	285807	45.004	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	108763	46.030	ug/l	98
67) Ethyl Benzene	11.593	91	509791	44.408	ug/l	99
68) m/p-Xylenes	11.703	106	398202	89.193	ug/l	100
69) o-Xylene	12.032	106	191264	46.043	ug/l	99
70) Styrene	12.044	104	322561	46.247	ug/l	99
71) Bromoform	12.209	173	62761	44.825	ug/l #	98
73) Isopropylbenzene	12.331	105	504039	44.874	ug/l	100
74) N-amyl acetate	12.142	43	101206	43.949	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	82633	44.098	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	65726m	34.895	ug/l	
77) Bromobenzene	12.611	156	116809	44.950	ug/l	97
78) n-propylbenzene	12.672	91	601864	44.577	ug/l	100
79) 2-Chlorotoluene	12.758	91	339340	44.712	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	434972	45.230	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	29938	43.528	ug/l	98
82) 4-Chlorotoluene	12.855	91	352883	44.939	ug/l	100
83) tert-Butylbenzene	13.075	119	368354	45.195	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	430188	45.470	ug/l	99
85) sec-Butylbenzene	13.251	105	536438	44.078	ug/l	99
86) p-Isopropyltoluene	13.367	119	461902	44.980	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	230712	44.146	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	227131	43.717	ug/l	99
89) n-Butylbenzene	13.696	91	404223	43.482	ug/l	99
90) Hexachloroethane	13.959	117	86957	44.379	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	203226	44.605	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13848	43.002	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	118836	44.339	ug/l	99
94) Hexachlorobutadiene	15.111	225	75142	43.389	ug/l	99
95) Naphthalene	15.233	128	223247	40.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	104030	45.909	ug/l	98

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

