

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121522\
 Data File : VD075025.D
 Acq On : 15 Dec 2022 13:41
 Operator : KP/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 16 05:02:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121522S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 16 05:00:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	155884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	273471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	116675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28044	21.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	43.680%#
35) Dibromofluoromethane	7.805	113	35489	19.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	38.480%#
50) Toluene-d8	10.269	98	131837	20.007	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	40.020%#
62) 4-Bromofluorobenzene	12.575	95	38224	19.781	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	39.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	24766	24.710	ug/l	99
3) Chloromethane	2.146	50	41163	25.046	ug/l	97
4) Vinyl Chloride	2.281	62	49657	24.611	ug/l	99
5) Bromomethane	2.675	94	38050	22.868	ug/l	97
6) Chloroethane	2.834	64	35609	23.762	ug/l	98
7) Trichlorofluoromethane	3.175	101	58816	23.627	ug/l	100
8) Diethyl Ether	3.593	74	15766	21.397	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.964	101	36778	22.479	ug/l	97
10) Methyl Iodide	4.164	142	38981	22.000	ug/l	99
11) Tert butyl alcohol	5.052	59	9442	115.372	ug/l	98
12) 1,1-Dichloroethene	3.946	96	35101	22.861	ug/l	97
13) Acrolein	3.799	56	18018	112.399	ug/l	99
14) Allyl chloride	4.558	41	40052	22.745	ug/l	96
15) Acrylonitrile	5.252	53	34099	110.220	ug/l	99
16) Acetone	4.028	43	30112	96.987	ug/l	96
17) Carbon Disulfide	4.275	76	91618	25.887	ug/l	99
18) Methyl Acetate	4.564	43	19424	22.522	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	69602	21.213	ug/l	97
20) Methylene Chloride	4.805	84	65569	19.320	ug/l	99
21) trans-1,2-Dichloroethene	5.317	96	39089	22.917	ug/l	92
22) Diisopropyl ether	6.222	45	87148	21.964	ug/l	99
23) Vinyl Acetate	6.164	43	154157m	110.956	ug/l	
24) 1,1-Dichloroethane	6.122	63	64243	22.206	ug/l	99
25) 2-Butanone	7.087	43	40097	104.648	ug/l	96
26) 2,2-Dichloropropane	7.075	77	56593	21.459	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	44736	22.150	ug/l	99
28) Bromochloromethane	7.422	49	20954	23.361	ug/l	99
29) Tetrahydrofuran	7.446	42	21972	110.878	ug/l	99
30) Chloroform	7.599	83	69590	23.160	ug/l	95
31) Cyclohexane	7.881	56	42904	21.728	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	58756	23.069	ug/l	98
36) 1,1-Dichloropropene	8.011	75	42676	20.548	ug/l	99
37) Ethyl Acetate	7.175	43	17817	21.620	ug/l	98
38) Carbon Tetrachloride	7.993	117	37362	19.889	ug/l	91
39) Methylcyclohexane	9.275	83	49025	21.656	ug/l	96
40) Benzene	8.252	78	127696	20.790	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	8649	19.001	ug/l	95
42) 1,2-Dichloroethane	8.328	62	31075	20.520	ug/l	100
43) Isopropyl Acetate	8.363	43	27175	19.650	ug/l	98
44) Trichloroethene	9.028	130	35710	20.766	ug/l	98
45) 1,2-Dichloropropane	9.305	63	31269	20.390	ug/l	91
46) Dibromomethane	9.399	93	16988	20.189	ug/l	98
47) Bromodichloromethane	9.587	83	43162	20.126	ug/l	98
48) Methyl methacrylate	9.387	41	13087	20.311	ug/l	96
49) 1,4-Dioxane	9.387	88	3354	405.327	ug/l	93
51) 4-Methyl-2-Pentanone	10.163	43	71469	99.216	ug/l	98
52) Toluene	10.334	92	83264	20.635	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	36139	19.344	ug/l	97
54) cis-1,3-Dichloropropene	10.022	75	47153	20.334	ug/l	100
55) 1,1,2-Trichloroethane	10.734	97	24864	20.510	ug/l	94
56) Ethyl methacrylate	10.599	69	26516	19.825	ug/l	97
57) 1,3-Dichloropropane	10.881	76	39999	20.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	41413	94.534	ug/l	99
59) 2-Hexanone	10.922	43	49563	95.548	ug/l	99
60) Dibromochloromethane	11.075	129	28914	20.379	ug/l	98
61) 1,2-Dibromoethane	11.181	107	22606	20.512	ug/l	97
64) Tetrachloroethene	10.810	164	30341	20.739	ug/l	97
65) Chlorobenzene	11.610	112	90143	20.158	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	31596	19.709	ug/l	97
67) Ethyl Benzene	11.687	91	154227	19.805	ug/l	97
68) m/p-Xylenes	11.793	106	125262	41.136	ug/l	99
69) o-Xylene	12.122	106	56815	19.837	ug/l	100
70) Styrene	12.134	104	100365	20.264	ug/l	99
71) Bromoform	12.299	173	15482	18.940	ug/l #	96
73) Isopropylbenzene	12.422	105	154058	20.177	ug/l	99
74) N-amyl acetate	12.234	43	25795	19.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	28680	20.583	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	19414m	13.175	ug/l	
77) Bromobenzene	12.704	156	34546	19.866	ug/l	97
78) n-propylbenzene	12.763	91	190854	20.448	ug/l	100
79) 2-Chlorotoluene	12.851	91	102138	19.866	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	130691	20.619	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	7194	19.820	ug/l	96
82) 4-Chlorotoluene	12.946	91	107991	20.291	ug/l	98
83) tert-Butylbenzene	13.169	119	109754	20.062	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	128876	20.515	ug/l	99
85) sec-Butylbenzene	13.345	105	172217	20.185	ug/l	99
86) p-Isopropyltoluene	13.463	119	141292	20.051	ug/l	100
87) 1,3-Dichlorobenzene	13.463	146	73174	19.832	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	72998	20.125	ug/l	99
89) n-Butylbenzene	13.793	91	131809	19.944	ug/l	99
90) Hexachloroethane	14.057	117	25254	19.936	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	62980	19.903	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3771	20.315	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	37211	19.483	ug/l	96
94) Hexachlorobutadiene	15.204	225	19937	19.669	ug/l	99
95) Naphthalene	15.334	128	67174	18.874	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	31933	19.106	ug/l	98

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

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