

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060623\
 Data File : VD076331.D
 Acq On : 06 Jun 2023 09:59
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 07 06:09:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060523S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 06 02:52:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	236032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	386157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	352738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	173406	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	100801	47.664	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.320%
35) Dibromofluoromethane	7.804	113	122301	49.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.760%
50) Toluene-d8	10.269	98	503705	51.599	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.200%
62) 4-Bromofluorobenzene	12.575	95	134793	52.176	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.360%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	98052	42.897	ug/l	96
3) Chloromethane	2.146	50	196630	44.768	ug/l	96
4) Vinyl Chloride	2.281	62	259232	44.970	ug/l	100
5) Bromomethane	2.687	94	175573	46.943	ug/l	100
6) Chloroethane	2.834	64	180494	46.724	ug/l	98
7) Trichlorofluoromethane	3.169	101	174775	45.664	ug/l	98
8) Diethyl Ether	3.593	74	60889	48.769	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.963	101	114631	46.823	ug/l	99
10) Methyl Iodide	4.158	142	169754	49.825	ug/l	98
11) Tert butyl alcohol	5.052	59	27423	232.017	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	125485	48.284	ug/l	97
13) Acrolein	3.793	56	63235	245.913	ug/l	98
14) Allyl chloride	4.558	41	127325	49.860	ug/l	97
15) Acrylonitrile	5.252	53	122492	245.691	ug/l	100
16) Acetone	4.016	43	111639	288.206	ug/l	99
17) Carbon Disulfide	4.263	76	408093	47.077	ug/l	98
18) Methyl Acetate	4.563	43	76165	46.367	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	246405	51.461	ug/l	99
20) Methylene Chloride	4.799	84	151034	46.894	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	146241	48.560	ug/l	97
22) Diisopropyl ether	6.210	45	292610	51.523	ug/l	98
23) Vinyl Acetate	6.152	43	591094m	276.630	ug/l	
24) 1,1-Dichloroethane	6.110	63	221878	47.837	ug/l	99
25) 2-Butanone	7.081	43	135334	252.312	ug/l	96
26) 2,2-Dichloropropane	7.075	77	183870	47.874	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	158658	48.768	ug/l	99
28) Bromochloromethane	7.422	49	55214	47.979	ug/l	98
29) Tetrahydrofuran	7.440	42	76989	243.293	ug/l	97
30) Chloroform	7.593	83	232994	47.864	ug/l	99
31) Cyclohexane	7.875	56	163760	46.121	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	185019	47.730	ug/l	98
36) 1,1-Dichloropropene	8.004	75	173310	49.198	ug/l	99
37) Ethyl Acetate	7.163	43	56609	48.709	ug/l	98
38) Carbon Tetrachloride	7.987	117	148283	48.019	ug/l	99
39) Methylcyclohexane	9.275	83	200811	49.891	ug/l	96
40) Benzene	8.252	78	550782	49.427	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	29969	50.613	ug/l	90
42) 1,2-Dichloroethane	8.322	62	123213	47.875	ug/l	99
43) Isopropyl Acetate	8.357	43	103998	49.930	ug/l	100
44) Trichloroethene	9.028	130	151341	48.572	ug/l	97
45) 1,2-Dichloropropane	9.304	63	127715	48.834	ug/l	95
46) Dibromomethane	9.393	93	71693	48.428	ug/l	96
47) Bromodichloromethane	9.581	83	172664	49.752	ug/l	98
48) Methyl methacrylate	9.381	41	48523	51.424	ug/l	94
49) 1,4-Dioxane	9.387	88	15824	975.247	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	272375	248.089	ug/l	100
52) Toluene	10.334	92	347460	50.704	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	159027	49.375	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	202249	50.814	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	101678	48.507	ug/l	96
56) Ethyl methacrylate	10.598	69	110978	51.910	ug/l	99
57) 1,3-Dichloropropane	10.881	76	162815	48.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	225083	250.754	ug/l	98
59) 2-Hexanone	10.922	43	206518	274.161	ug/l	100
60) Dibromochloromethane	11.075	129	116030	48.831	ug/l	96
61) 1,2-Dibromoethane	11.181	107	94510	49.551	ug/l	98
64) Tetrachloroethene	10.810	164	123745	48.977	ug/l	96
65) Chlorobenzene	11.610	112	375454	49.679	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	126076	49.685	ug/l	99
67) Ethyl Benzene	11.687	91	623834	51.219	ug/l	98
68) m/p-Xylenes	11.793	106	514819	102.251	ug/l	97
69) o-Xylene	12.122	106	235592	51.899	ug/l	99
70) Styrene	12.134	104	409926	52.657	ug/l	99
71) Bromoform	12.304	173	67932	49.622	ug/l #	100
73) Isopropylbenzene	12.422	105	574547	51.756	ug/l	99
74) N-amyl acetate	12.234	43	94790	49.794	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	107422	48.339	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	86166m	53.232	ug/l	
77) Bromobenzene	12.698	156	150755	51.649	ug/l	98
78) n-propylbenzene	12.763	91	716349	52.194	ug/l	100
79) 2-Chlorotoluene	12.851	91	383377	51.209	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	480614	52.503	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	35466	52.477	ug/l	94
82) 4-Chlorotoluene	12.945	91	412144	51.705	ug/l	99
83) tert-Butylbenzene	13.169	119	396034	51.593	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	483305	52.864	ug/l	100
85) sec-Butylbenzene	13.345	105	609136	51.590	ug/l	99
86) p-Isopropyltoluene	13.463	119	516466	52.772	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	298806	50.783	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	293556	49.274	ug/l	99
89) n-Butylbenzene	13.792	91	472418	51.935	ug/l	100
90) Hexachloroethane	14.057	117	96721	49.223	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	255437	50.003	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	13515	46.037	ug/l	90
93) 1,2,4-Trichlorobenzene	15.104	180	157566	53.068	ug/l	97
94) Hexachlorobutadiene	15.204	225	72671	50.059	ug/l	98
95) Naphthalene	15.334	128	289816	46.994	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	135894	51.755	ug/l	99

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

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