

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022223\
 Data File : VD075405.D
 Acq On : 22 Feb 2023 18:10
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 23 00:53:03 2023
 Quant Title :
 QLast Update : Tue Feb 21 16:26:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	55236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	88171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	82878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	42851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	24577	51.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.580%
35) Dibromofluoromethane	7.804	113	25783	49.259	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.520%
50) Toluene-d8	10.269	98	86140	45.601	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.200%
62) 4-Bromofluorobenzene	12.575	95	30798	48.555	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	26249	42.508	ug/l	96
3) Chloromethane	2.146	50	41226	45.629	ug/l	98
4) Vinyl Chloride	2.287	62	44218	46.102	ug/l	98
5) Bromomethane	2.687	94	25294	46.442	ug/l	99
6) Chloroethane	2.840	64	29317	44.232	ug/l	95
7) Trichlorofluoromethane	3.175	101	53208	47.231	ug/l	98
8) Diethyl Ether	3.593	74	14328	54.625	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.969	101	30919	48.156	ug/l	100
10) Methyl Iodide	4.163	142	32839	47.222	ug/l	97
11) Tert butyl alcohol	5.046	59	6558	194.721	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	29235	48.839	ug/l	93
13) Acrolein	3.793	56	2055	155.422	ug/l	99
14) Allyl chloride	4.557	41	49218	51.996	ug/l	99
15) Acrylonitrile	5.257	53	33128	261.587	ug/l	99
16) Acetone	4.028	43	36667	256.492	ug/l	92
17) Carbon Disulfide	4.275	76	96122	45.593	ug/l	96
18) Methyl Acetate	4.569	43	23009	51.363	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	64845	53.506	ug/l	98
20) Methylene Chloride	4.805	84	39302	58.203	ug/l	94
21) trans-1,2-Dichloroethene	5.310	96	34447	51.482	ug/l	91
22) Diisopropyl ether	6.216	45	98617	54.542	ug/l	97
23) Vinyl Acetate	6.157	43	178000	295.771	ug/l	97
24) 1,1-Dichloroethane	6.116	63	60822	51.225	ug/l	96
25) 2-Butanone	7.081	43	45505	255.253	ug/l	98
26) 2,2-Dichloropropane	7.075	77	51835	50.195	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	37559	52.767	ug/l	98
28) Bromochloromethane	7.422	49	12194	51.214	ug/l	95
29) Tetrahydrofuran	7.446	42	26290	261.464	ug/l	97
30) Chloroform	7.598	83	62863	52.721	ug/l	95
31) Cyclohexane	7.881	56	51705	46.122	ug/l	97
32) 1,1,1-Trichloroethane	7.798	97	55368	50.446	ug/l	96
36) 1,1-Dichloropropene	8.010	75	48256	51.437	ug/l	98
37) Ethyl Acetate	7.169	43	20046	54.598	ug/l #	95
38) Carbon Tetrachloride	7.993	117	48143	51.217	ug/l	99
39) Methylcyclohexane	9.275	83	55433	50.131	ug/l	93
40) Benzene	8.251	78	134001	52.178	ug/l	97
41) Methacrylonitrile	7.398	41	9510m	45.164	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.328	62	38317	53.434	ug/l	99
43) Isopropyl Acetate	8.363	43	38182	55.348	ug/l	98
44) Trichloroethene	9.028	130	34929	50.769	ug/l	100
45) 1,2-Dichloropropane	9.304	63	33652	53.732	ug/l	97
46) Dibromomethane	9.398	93	17978	52.718	ug/l	96
47) Bromodichloromethane	9.587	83	47340	54.552	ug/l	94
48) Methyl methacrylate	9.381	41	19307	55.673	ug/l	94
49) 1,4-Dioxane	9.387	88	3234	1035.188	ug/l	97
51) 4-Methyl-2-Pentanone	10.163	43	99614	285.121	ug/l	98
52) Toluene	10.334	92	85144	53.848	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	40967	57.663	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	49399	57.352	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	24699	55.906	ug/l	97
56) Ethyl methacrylate	10.598	69	28135	57.228	ug/l	98
57) 1,3-Dichloropropane	10.881	76	41152	54.081	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	36299	295.276	ug/l	97
59) 2-Hexanone	10.922	43	70217	284.813	ug/l	98
60) Dibromochloromethane	11.075	129	30610	54.192	ug/l	99
61) 1,2-Dibromoethane	11.181	107	22538	53.801	ug/l	97
64) Tetrachloroethene	10.816	164	29283	49.362	ug/l	99
65) Chlorobenzene	11.610	112	87898	50.706	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	33474	53.177	ug/l	100
67) Ethyl Benzene	11.686	91	165475	52.637	ug/l	98
68) m/p-Xylenes	11.798	106	128968	104.659	ug/l	99
69) o-Xylene	12.122	106	59311	52.554	ug/l	100
70) Styrene	12.139	104	101998	54.152	ug/l	99
71) Bromoform	12.304	173	16751	51.926	ug/l #	92
73) Isopropylbenzene	12.422	105	157640	48.790	ug/l	99
74) N-amyl acetate	12.239	43	35125	50.781	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	26905	49.689	ug/l	94
76) 1,2,3-Trichloropropane	12.728	75	14322m	46.098	ug/l	
77) Bromobenzene	12.704	156	35585	48.728	ug/l	99
78) n-propylbenzene	12.769	91	200563	49.611	ug/l	99
79) 2-Chlorotoluene	12.851	91	107293	49.147	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	135710	50.753	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	6561	49.911	ug/l	92
82) 4-Chlorotoluene	12.951	91	111960	48.611	ug/l	98
83) tert-Butylbenzene	13.169	119	111594	48.142	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	134123	50.784	ug/l	98
85) sec-Butylbenzene	13.351	105	174768	48.941	ug/l	100
86) p-Isopropyltoluene	13.463	119	146643	50.548	ug/l	100
87) 1,3-Dichlorobenzene	13.463	146	73224	48.682	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	72790	49.326	ug/l	100
89) n-Butylbenzene	13.792	91	141797	49.685	ug/l	99
90) Hexachloroethane	14.057	117	27975	48.070	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	63889	50.659	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3998	49.375	ug/l	92
93) 1,2,4-Trichlorobenzene	15.104	180	38257	49.888	ug/l	98
94) Hexachlorobutadiene	15.210	225	20577	46.358	ug/l	98
95) Naphthalene	15.333	128	70800	52.186	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	32113	49.526	ug/l	97

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