

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021323\
 Data File : VD075331.D
 Acq On : 13 Feb 2023 17:15
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 14 01:25:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	49578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	79750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	74014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	38544	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	29342	50.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.940%	
35) Dibromofluoromethane	7.804	113	28730	51.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.760%	
50) Toluene-d8	10.269	98	104107	49.091	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.180%	
62) 4-Bromofluorobenzene	12.581	95	35352	50.555	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.120%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	18636	46.462	ug/l	96
3) Chloromethane	2.146	50	32583	47.134	ug/l	94
4) Vinyl Chloride	2.281	62	37189	45.088	ug/l	99
5) Bromomethane	2.693	94	23697	44.904	ug/l	98
6) Chloroethane	2.834	64	25199	44.286	ug/l	98
7) Trichlorofluoromethane	3.169	101	48819	47.603	ug/l	93
8) Diethyl Ether	3.587	74	14018	50.847	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.963	101	29539	50.757	ug/l	99
10) Methyl Iodide	4.163	142	32879	46.775	ug/l	98
11) Tert butyl alcohol	5.046	59	7391	213.100	ug/l #	96
12) 1,1-Dichloroethene	3.940	96	27528	49.609	ug/l	95
13) Acrolein	3.787	56	4346	242.058	ug/l	95
14) Allyl chloride	4.563	41	46367	50.223	ug/l	92
15) Acrylonitrile	5.252	53	34461	270.476	ug/l	98
16) Acetone	4.016	43	38271	248.967	ug/l	94
17) Carbon Disulfide	4.269	76	80217	46.858	ug/l	97
18) Methyl Acetate	4.563	43	19881	48.567	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	66092	51.878	ug/l	98
20) Methylene Chloride	4.799	84	35474	55.430	ug/l	96
21) trans-1,2-Dichloroethene	5.310	96	31388	49.987	ug/l	97
22) Diisopropyl ether	6.210	45	99961	54.434	ug/l	99
23) Vinyl Acetate	6.152	43	202170m	320.148	ug/l	
24) 1,1-Dichloroethane	6.110	63	59092	51.613	ug/l	99
25) 2-Butanone	7.075	43	46285	243.004	ug/l	95
26) 2,2-Dichloropropane	7.075	77	52775	52.077	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	37080	52.782	ug/l	99
28) Bromochloromethane	7.422	49	14915	52.399	ug/l	94
29) Tetrahydrofuran	7.446	42	26075	254.228	ug/l	98
30) Chloroform	7.593	83	62364	52.922	ug/l	95
31) Cyclohexane	7.875	56	49466	47.919	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	54305	51.519	ug/l	99
36) 1,1-Dichloropropene	8.010	75	45588	52.334	ug/l	99
37) Ethyl Acetate	7.163	43	18754	49.364	ug/l	97
38) Carbon Tetrachloride	7.987	117	46421	57.509	ug/l	97
39) Methylcyclohexane	9.275	83	52040	51.612	ug/l	97
40) Benzene	8.246	78	129492	52.891	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	10451	46.114	ug/l #	91
42) 1,2-Dichloroethane	8.322	62	37416	52.786	ug/l	99
43) Isopropyl Acetate	8.357	43	37570	51.754	ug/l	98
44) Trichloroethene	9.028	130	34205	50.683	ug/l	98
45) 1,2-Dichloropropane	9.304	63	33939	54.584	ug/l	99
46) Dibromomethane	9.393	93	18097	52.521	ug/l	96
47) Bromodichloromethane	9.587	83	46471	54.190	ug/l	100
48) Methyl methacrylate	9.381	41	18947	54.958	ug/l	95
49) 1,4-Dioxane	9.387	88	3389	1030.835	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	97699	266.210	ug/l	94
52) Toluene	10.334	92	83018	53.835	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	43005	57.895	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	50053	56.359	ug/l #	85
55) 1,1,2-Trichloroethane	10.734	97	23989	54.539	ug/l	96
56) Ethyl methacrylate	10.598	69	28346	55.433	ug/l	93
57) 1,3-Dichloropropane	10.881	76	40911	54.599	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	44231	292.660	ug/l	99
59) 2-Hexanone	10.922	43	70279	262.113	ug/l	95
60) Dibromochloromethane	11.075	129	30184	55.388	ug/l	100
61) 1,2-Dibromoethane	11.181	107	22552	53.173	ug/l	97
64) Tetrachloroethene	10.810	164	28336	49.708	ug/l	95
65) Chlorobenzene	11.610	112	86228	51.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	33525	55.167	ug/l	92
67) Ethyl Benzene	11.687	91	163463	53.046	ug/l	99
68) m/p-Xylenes	11.798	106	127226	108.537	ug/l	99
69) o-Xylene	12.122	106	59091	53.968	ug/l	96
70) Styrene	12.140	104	102974	55.519	ug/l	99
71) Bromoform	12.298	173	17784	54.482	ug/l #	97
73) Isopropylbenzene	12.422	105	159214	50.989	ug/l	99
74) N-amyl acetate	12.234	43	36369	51.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.681	83	27054	49.800	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	22941m	52.400	ug/l	
77) Bromobenzene	12.704	156	35395	50.059	ug/l	93
78) n-propylbenzene	12.769	91	197789	50.906	ug/l	99
79) 2-Chlorotoluene	12.851	91	108412	50.870	ug/l	99
80) 1,3,5-Trimethylbenzene	12.910	105	134451	51.714	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	7290	53.880	ug/l	92
82) 4-Chlorotoluene	12.951	91	113399	51.008	ug/l	99
83) tert-Butylbenzene	13.169	119	118261	52.762	ug/l	100
84) 1,2,4-Trimethylbenzene	13.216	105	134770	51.899	ug/l	98
85) sec-Butylbenzene	13.351	105	177282	51.558	ug/l	98
86) p-Isopropyltoluene	13.463	119	149722	53.229	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	73022	51.095	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	73394	51.324	ug/l	98
89) n-Butylbenzene	13.792	91	143614	52.298	ug/l	98
90) Hexachloroethane	14.057	117	28086	50.648	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	63727	51.392	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4210	49.964	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	39501	50.863	ug/l	99
94) Hexachlorobutadiene	15.210	225	20961	51.157	ug/l	97
95) Naphthalene	15.339	128	73555	50.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	35051	52.309	ug/l	99

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

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