

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD077013.D
 Acq On : 14 Aug 2023 20:55
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/15/2023
 Supervised By :Mahesh Dadoda 08/15/2023

Quant Time: Aug 15 04:52:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	152936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	265227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	259261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	135569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	60915	50.491	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.798	113	74954	52.566	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.140%			
50) Toluene-d8	10.269	98	226917	49.547	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.100%			
62) 4-Bromofluorobenzene	12.575	95	86136	53.800	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	35437	44.474	ug/l	96
3) Chloromethane	2.146	50	62537	48.204	ug/l	100
4) Vinyl Chloride	2.275	62	84890	44.406	ug/l	99
5) Bromomethane	2.675	94	65354	37.799	ug/l	98
6) Chloroethane	2.822	64	70388	44.818	ug/l	97
7) Trichlorofluoromethane	3.158	101	95599	45.906	ug/l	90
8) Diethyl Ether	3.587	74	32955	49.181	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.952	101	67467	47.308	ug/l	98
10) Methyl Iodide	4.152	142	63868	46.503	ug/l #	88
11) Tert butyl alcohol	5.052	59	25653	326.488	ug/l	99
12) 1,1-Dichloroethene	3.928	96	52314	44.696	ug/l	97
13) Acrolein	3.793	56	5076	169.344	ug/l	98
14) Allyl chloride	4.557	41	66010	45.921	ug/l	95
15) Acrylonitrile	5.252	53	95832	287.606	ug/l	99
16) Acetone	4.022	43	68697	276.051	ug/l	94
17) Carbon Disulfide	4.257	76	83027	41.905	ug/l	96
18) Methyl Acetate	4.569	43	62836	55.777	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	179683	54.386	ug/l	96
20) Methylene Chloride	4.793	84	95858	57.070	ug/l	88
21) trans-1,2-Dichloroethene	5.305	96	63609	47.577	ug/l	99
22) Diisopropyl ether	6.216	45	201608	53.688	ug/l	98
23) Vinyl Acetate	6.152	43	476719	270.680	ug/l	97
24) 1,1-Dichloroethane	6.104	63	131524	49.002	ug/l	98
25) 2-Butanone	7.081	43	108951	269.984	ug/l	88
26) 2,2-Dichloropropane	7.075	77	104836	43.019	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	89798	48.947	ug/l	98
28) Bromochloromethane	7.416	49	71019	55.363	ug/l	95
29) Tetrahydrofuran	7.440	42	63636	282.395	ug/l	99
30) Chloroform	7.593	83	160479	52.407	ug/l	100
31) Cyclohexane	7.875	56	68746	47.483	ug/l	94
32) 1,1,1-Trichloroethane	7.787	97	128405	51.094	ug/l	98
36) 1,1-Dichloropropene	8.004	75	86136	48.851	ug/l	97
37) Ethyl Acetate	7.169	43	49472	60.804	ug/l	95
38) Carbon Tetrachloride	7.987	117	97630	51.733	ug/l	93
39) Methylcyclohexane	9.275	83	89098	47.693	ug/l	99
40) Benzene	8.246	78	288859	50.949	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	27010	61.522	ug/l #	86
42) 1,2-Dichloroethane	8.322	62	87218	57.070	ug/l	99
43) Isopropyl Acetate	8.357	43	90659	59.295	ug/l #	80
44) Trichloroethene	9.028	130	80341	51.327	ug/l	90
45) 1,2-Dichloropropane	9.304	63	81341	53.238	ug/l	99
46) Dibromomethane	9.393	93	51060	55.926	ug/l	92
47) Bromodichloromethane	9.581	83	128417	54.832	ug/l #	99
48) Methyl methacrylate	9.381	41	37867	56.323	ug/l #	88
49) 1,4-Dioxane	9.381	88	12961	1214.565	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	260247	308.368	ug/l	93
52) Toluene	10.334	92	192103	51.592	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	110329	53.999	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	124282	52.447	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	77003	56.833	ug/l	94
56) Ethyl methacrylate	10.598	69	84043	59.846	ug/l #	92
57) 1,3-Dichloropropane	10.881	76	115883	55.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	136748	259.037	ug/l	100
59) 2-Hexanone	10.922	43	176675	307.539	ug/l	92
60) Dibromochloromethane	11.075	129	94365	57.750	ug/l	96
61) 1,2-Dibromoethane	11.181	107	67722	56.206	ug/l	99
64) Tetrachloroethene	10.810	164	68964	52.843	ug/l	93
65) Chlorobenzene	11.610	112	229842	50.111	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	96272	53.191	ug/l	97
67) Ethyl Benzene	11.681	91	391829	50.635	ug/l	100
68) m/p-Xylenes	11.792	106	309438	102.959	ug/l	94
69) o-Xylene	12.122	106	151994	52.735	ug/l	94
70) Styrene	12.134	104	272095	52.955	ug/l	98
71) Bromoform	12.298	173	59309	59.109	ug/l #	96
73) Isopropylbenzene	12.422	105	401807	47.099	ug/l	96
74) N-amyl acetate	12.234	43	88288	51.944	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	97348	51.786	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	61762m	48.564	ug/l	
77) Bromobenzene	12.698	156	100518	48.422	ug/l	94
78) n-propylbenzene	12.763	91	484385	46.676	ug/l	97
79) 2-Chlorotoluene	12.851	91	268609	47.079	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	336615	48.611	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	26404	48.778	ug/l	97
82) 4-Chlorotoluene	12.945	91	284158	47.586	ug/l	97
83) tert-Butylbenzene	13.163	119	307062	48.359	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	344512	48.826	ug/l	95
85) sec-Butylbenzene	13.345	105	457694	47.715	ug/l	97
86) p-Isopropyltoluene	13.457	119	380882	48.075	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	212067	49.249	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	211584	49.286	ug/l	99
89) n-Butylbenzene	13.786	91	358355	47.485	ug/l	97
90) Hexachloroethane	14.051	117	79371	49.577	ug/l	91
91) 1,2-Dichlorobenzene	13.833	146	188011	49.110	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14023	54.866	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	115789	48.901	ug/l	98
94) Hexachlorobutadiene	15.204	225	57468	48.514	ug/l	99
95) Naphthalene	15.333	128	255699	53.096	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	106885	50.629	ug/l	98

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

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