

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101123\
 Data File : VD077312.D
 Acq On : 11 Oct 2023 18:06
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/16/2023
 Supervised By :Semsettin Yesilyurt 10/16/2023

Quant Time: Oct 12 08:59:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 04:48:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	264871	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	475522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	447803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	202582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	205565	97.002	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 194.000%#			
35) Dibromofluoromethane	7.804	113	239258	94.711	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 189.420%#			
50) Toluene-d8	10.269	98	848907	102.211	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 204.420%#			
62) 4-Bromofluorobenzene	12.575	95	276741	99.209	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 198.420%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	231389	94.043	ug/l	98
3) Chloromethane	2.146	50	349292	89.646	ug/l	100
4) Vinyl Chloride	2.281	62	415488	97.743	ug/l	99
5) Bromomethane	2.675	94	313694	104.935	ug/l	100
6) Chloroethane	2.828	64	309976	110.465	ug/l	97
7) Trichlorofluoromethane	3.169	101	501351	114.046	ug/l	100
8) Diethyl Ether	3.587	74	171545	111.964	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.963	101	306633	96.883	ug/l	96
10) Methyl Iodide	4.163	142	432755	110.688	ug/l	92
11) Tert butyl alcohol	5.063	59	81782	509.878	ug/l	97
12) 1,1-Dichloroethene	3.934	96	315863	103.354	ug/l	87
13) Acrolein	3.793	56	133647	714.551	ug/l	96
14) Allyl chloride	4.558	41	447424	106.466	ug/l #	90
15) Acrylonitrile	5.246	53	391350	518.893	ug/l	100
16) Acetone	4.022	43	315543	481.167	ug/l	91
17) Carbon Disulfide	4.269	76	973505	105.554	ug/l	97
18) Methyl Acetate	4.558	43	275043	105.513	ug/l	90
19) Methyl tert-butyl Ether	5.316	73	739622	108.437	ug/l	97
20) Methylene Chloride	4.799	84	417280	98.146	ug/l	91
21) trans-1,2-Dichloroethene	5.305	96	371340	101.758	ug/l	94
22) Diisopropyl ether	6.216	45	1020597	107.216	ug/l #	94
23) Vinyl Acetate	6.152	43	2478368	555.559	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	645523	101.984	ug/l	96
25) 2-Butanone	7.081	43	462482	529.397	ug/l	89
26) 2,2-Dichloropropane	7.075	77	524029	102.961	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	425021	104.046	ug/l	93
28) Bromochloromethane	7.422	49	254820	101.712	ug/l #	76
29) Tetrahydrofuran	7.440	42	285989	548.721	ug/l	87
30) Chloroform	7.599	83	646136	99.620	ug/l	97
31) Cyclohexane	7.875	56	503615	100.068	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	517081	99.421	ug/l	99
36) 1,1-Dichloropropene	8.004	75	476540	104.062	ug/l	96
37) Ethyl Acetate	7.163	43	207044	107.767	ug/l	95
38) Carbon Tetrachloride	7.987	117	426196	102.596	ug/l	97
39) Methylcyclohexane	9.275	83	555422	107.622	ug/l	93
40) Benzene	8.251	78	1461176	103.419	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	114053	109.908	ug/l	90
42) 1,2-Dichloroethane	8.328	62	339399	99.940	ug/l	98
43) Isopropyl Acetate	8.357	43	372242	109.334	ug/l	91
44) Trichloroethene	9.028	130	359269	103.769	ug/l	88
45) 1,2-Dichloropropane	9.304	63	375619	103.370	ug/l	99
46) Dibromomethane	9.393	93	196154	102.988	ug/l	89
47) Bromodichloromethane	9.587	83	472815	101.252	ug/l	97
48) Methyl methacrylate	9.381	41	174596	111.323	ug/l #	82
49) 1,4-Dioxane	9.387	88	41093	2065.616	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	978640	549.977	ug/l	92
52) Toluene	10.334	92	918531	106.524	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	473564	108.158	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	579370	106.701	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	270235	104.391	ug/l	94
56) Ethyl methacrylate	10.598	69	343017	101.868	ug/l	93
57) 1,3-Dichloropropane	10.881	76	466368	104.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	848167	502.217	ug/l	93
59) 2-Hexanone	10.922	43	698405	554.985	ug/l	91
60) Dibromochloromethane	11.075	129	308176	104.232	ug/l	96
61) 1,2-Dibromoethane	11.181	107	252491	106.854	ug/l	99
64) Tetrachloroethene	10.810	164	282695	98.887	ug/l	95
65) Chlorobenzene	11.604	112	935950	100.501	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	333451	101.510	ug/l	97
67) Ethyl Benzene	11.687	91	1775659	106.843	ug/l	98
68) m/p-Xylenes	11.792	106	1342874	209.949	ug/l	89
69) o-Xylene	12.122	106	641384	108.337	ug/l	91
70) Styrene	12.134	104	1095717	106.812	ug/l	96
71) Bromoform	12.298	173	169919	101.913	ug/l #	99
73) Isopropylbenzene	12.422	105	1616753	108.059	ug/l	96
74) N-amyl acetate	12.234	43	348374	110.734	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	310392	103.379	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	244067m	109.659	ug/l	
77) Bromobenzene	12.704	156	355232	103.779	ug/l	82
78) n-propylbenzene	12.763	91	2008654	105.880	ug/l	94
79) 2-Chlorotoluene	12.851	91	1078780	105.474	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	1321866	106.026	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	98873	105.919	ug/l	98
82) 4-Chlorotoluene	12.945	91	1129977	104.573	ug/l	92
83) tert-Butylbenzene	13.169	119	1104962	106.102	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	1344522	107.661	ug/l	95
85) sec-Butylbenzene	13.345	105	1706239	105.063	ug/l	95
86) p-Isopropyltoluene	13.463	119	1428781	107.084	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	727642	101.360	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	710354	100.177	ug/l	98
89) n-Butylbenzene	13.786	91	1367865	104.857	ug/l	97
90) Hexachloroethane	14.051	117	263241	100.063	ug/l	86
91) 1,2-Dichlorobenzene	13.834	146	625370	100.804	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	42283	107.608	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	397801	106.309	ug/l	96
94) Hexachlorobutadiene	15.210	225	186747	99.829	ug/l	99
95) Naphthalene	15.333	128	826806	113.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	346127	104.675	ug/l	98

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

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