

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080823\
 Data File : VD076949.D
 Acq On : 08 Aug 2023 12:11
 Operator : KP/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 09 05:58:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 05:56:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2023
 Supervised By :Mahesh Dadoda 08/09/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	198885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	351401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	320892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8036	5.122	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.240%#		
35) Dibromofluoromethane	7.810	113	9424	4.988	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.980%#		
50) Toluene-d8	10.269	98	30009	4.946	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.900%#		
62) 4-Bromofluorobenzene	12.575	95	10822	5.102	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.200%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	7721	4.563	ug/l	95
3) Chloromethane	2.146	50	9839	5.832	ug/l	93
4) Vinyl Chloride	2.275	62	14367	5.779	ug/l	97
5) Bromomethane	2.687	94	13817	6.145	ug/l	96
6) Chloroethane	2.834	64	12233	5.990	ug/l	96
7) Trichlorofluoromethane	3.175	101	16414	6.061	ug/l	96
8) Diethyl Ether	3.593	74	4769	5.473	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.958	101	12014	6.478	ug/l	91
10) Methyl Iodide	4.164	142	8715	4.879	ug/l #	49
11) Tert butyl alcohol	5.063	59	3924m	32.048	ug/l	
12) 1,1-Dichloroethene	3.934	96	9084	5.968	ug/l	88
13) Acrolein	3.805	56	1636	31.192	ug/l	95
14) Allyl chloride	4.558	41	10675	5.711	ug/l	89
15) Acrylonitrile	5.258	53	11888	27.435	ug/l #	90
16) Acetone	4.028	43	11974	24.359	ug/l	90
17) Carbon Disulfide	4.269	76	13755	5.338	ug/l	99
18) Methyl Acetate	4.563	43	8528	5.821	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	23742	5.526	ug/l	93
20) Methylene Chloride	4.799	84	34536	2.922	ug/l	89
21) trans-1,2-Dichloroethene	5.316	96	9748	5.607	ug/l	97
22) Diisopropyl ether	6.205	45	25541	5.230	ug/l #	91
23) Vinyl Acetate	6.158	43	59612m	26.028	ug/l	
24) 1,1-Dichloroethane	6.110	63	20591	5.899	ug/l	92
25) 2-Butanone	7.081	43	16383	31.218	ug/l	89
26) 2,2-Dichloropropane	7.063	77	19930m	6.289	ug/l	
27) cis-1,2-Dichloroethene	7.075	96	12885	5.401	ug/l	88
28) Bromochloromethane	7.434	49	8756	5.249	ug/l #	87
29) Tetrahydrofuran	7.446	42	8040	27.436	ug/l #	80
30) Chloroform	7.599	83	21945	5.511	ug/l	99
31) Cyclohexane	7.875	56	15086	4.962	ug/l #	81
32) 1,1,1-Trichloroethane	7.793	97	18715	5.726	ug/l	96
36) 1,1-Dichloropropene	8.010	75	12965	5.550	ug/l	98
37) Ethyl Acetate	7.181	43	7008	6.501	ug/l #	93
38) Carbon Tetrachloride	7.993	117	13759	5.503	ug/l #	93
39) Methylcyclohexane	9.281	83	13778	5.567	ug/l	92
40) Benzene	8.252	78	42211	5.619	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	3478	5.979	ug/l #	95
42) 1,2-Dichloroethane	8.328	62	11030	5.447	ug/l	98
43) Isopropyl Acetate	8.363	43	11105	5.482	ug/l	99
44) Trichloroethene	9.028	130	11576	5.582	ug/l	85
45) 1,2-Dichloropropane	9.304	63	11412	5.638	ug/l	94
46) Dibromomethane	9.393	93	7252	5.995	ug/l	87
47) Bromodichloromethane	9.581	83	17298	5.575	ug/l	94
48) Methyl methacrylate	9.381	41	4675	5.248	ug/l #	85
49) 1,4-Dioxane	9.387	88	1894	133.961	ug/l #	68
51) 4-Methyl-2-Pentanone	10.157	43	30976	27.703	ug/l	92
52) Toluene	10.334	92	26684	5.409	ug/l	94
53) t-1,3-Dichloropropene	10.551	75	14467	5.344	ug/l	92
54) cis-1,3-Dichloropropene	10.010	75	17216	5.484	ug/l #	87
55) 1,1,2-Trichloroethane	10.728	97	10290	5.732	ug/l	94
56) Ethyl methacrylate	10.598	69	9421	5.063	ug/l #	80
57) 1,3-Dichloropropane	10.881	76	15849	5.683	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.875	63	19155	27.387	ug/l	98
59) 2-Hexanone	10.922	43	21221	27.881	ug/l	96
60) Dibromochloromethane	11.069	129	12060	5.571	ug/l	98
61) 1,2-Dibromoethane	11.181	107	8793	5.508	ug/l	100
64) Tetrachloroethene	10.810	164	9916	6.139	ug/l #	86
65) Chlorobenzene	11.610	112	32580	5.739	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	12922	5.768	ug/l	94
67) Ethyl Benzene	11.681	91	52701	5.502	ug/l	97
68) m/p-Xylenes	11.793	106	39869	10.718	ug/l	93
69) o-Xylene	12.122	106	19386	5.434	ug/l	96
70) Styrene	12.134	104	32998	5.189	ug/l	97
71) Bromoform	12.298	173	7298	5.876	ug/l #	87
73) Isopropylbenzene	12.422	105	51526	5.542	ug/l	96
74) N-amyl acetate	12.234	43	10931	5.901	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	11805	5.762	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	8655m	6.245	ug/l	
77) Bromobenzene	12.704	156	13783	6.092	ug/l	94
78) n-propylbenzene	12.763	91	62565	5.532	ug/l	95
79) 2-Chlorotoluene	12.845	91	36247	5.829	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	41135	5.451	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	3590	6.085	ug/l	92
82) 4-Chlorotoluene	12.951	91	36550	5.616	ug/l	92
83) tert-Butylbenzene	13.163	119	38349	5.542	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	41680	5.420	ug/l	97
85) sec-Butylbenzene	13.345	105	56641	5.418	ug/l	99
86) p-Isopropyltoluene	13.457	119	46078	5.337	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	26714	5.693	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	27754	5.932	ug/l	94
89) n-Butylbenzene	13.787	91	46449	5.648	ug/l	97
90) Hexachloroethane	14.051	117	9934	5.694	ug/l	84
91) 1,2-Dichlorobenzene	13.828	146	24123	5.782	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1802	6.469	ug/l	95
93) 1,2,4-Trichlorobenzene	15.104	180	16216	6.284	ug/l	90
94) Hexachlorobutadiene	15.204	225	8132	6.299	ug/l	98
95) Naphthalene	15.334	128	31906	6.079	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	14061	6.111	ug/l	96

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

