

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122623\
 Data File : VD078077.D
 Acq On : 26 Dec 2023 12:04
 Operator : RP/MD
 Sample : VSTDICC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024
 Supervised By :Mahesh Dadoda 01/01/2024

Quant Time: Dec 27 02:18:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 02:18:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	150333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	250417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	221328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	110075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	14580	10.900	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.800%#		
35) Dibromofluoromethane	7.810	113	17512	10.869	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.740%#		
50) Toluene-d8	10.275	98	58024	10.234	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.460%#		
62) 4-Bromofluorobenzene	12.575	95	18858	10.338	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.680%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	14780	11.471	ug/l	100
3) Chloromethane	2.152	50	20812	11.713	ug/l	98
4) Vinyl Chloride	2.287	62	29958	11.186	ug/l	99
5) Bromomethane	2.699	94	23498	10.943	ug/l	96
6) Chloroethane	2.846	64	21932	11.144	ug/l	96
7) Trichlorofluoromethane	3.181	101	29057	11.272	ug/l	86
8) Diethyl Ether	3.593	74	6947	9.828	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.975	101	17532	10.919	ug/l	98
10) Methyl Iodide	4.175	142	13633	9.036	ug/l #	90
11) Tert butyl alcohol	5.058	59	3597m	46.795	ug/l	
12) 1,1-Dichloroethene	3.946	96	15384	10.829	ug/l	91
13) Acrolein	3.805	56	4495	63.804	ug/l	91
14) Allyl chloride	4.575	41	17640	10.273	ug/l #	84
15) Acrylonitrile	5.252	53	15799	53.430	ug/l	96
16) Acetone	4.022	43	22091	59.592	ug/l #	81
17) Carbon Disulfide	4.275	76	36131	10.293	ug/l	99
18) Methyl Acetate	4.564	43	11099	10.124	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	32843	10.445	ug/l	94
20) Methylene Chloride	4.811	84	23038	11.611	ug/l #	84
21) trans-1,2-Dichloroethene	5.311	96	16722	10.240	ug/l	92
22) Diisopropyl ether	6.222	45	41116	10.720	ug/l	96
23) Vinyl Acetate	6.163	43	75760m	42.447	ug/l	
24) 1,1-Dichloroethane	6.116	63	32101	11.309	ug/l	97
25) 2-Butanone	7.087	43	24359	59.214	ug/l	88
26) 2,2-Dichloropropane	7.081	77	28162	11.043	ug/l	92
27) cis-1,2-Dichloroethene	7.087	96	20844	10.759	ug/l	93
28) Bromochloromethane	7.428	49	11066	10.897	ug/l	82
29) Tetrahydrofuran	7.452	42	11699	56.498	ug/l #	87
30) Chloroform	7.599	83	33871	11.011	ug/l	95
31) Cyclohexane	7.881	56	22998	10.778	ug/l #	91
32) 1,1,1-Trichloroethane	7.793	97	27963	10.577	ug/l	99
36) 1,1-Dichloropropene	8.010	75	23887	10.536	ug/l	96
37) Ethyl Acetate	7.175	43	7657	10.155	ug/l	98
38) Carbon Tetrachloride	7.993	117	24590	10.010	ug/l	94
39) Methylcyclohexane	9.275	83	25746	9.905	ug/l	99
40) Benzene	8.257	78	68030	10.411	ug/l	93

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41) Methacrylonitrile	7.410	41	5696m	11.928	ug/l	
42) 1,2-Dichloroethane	8.328	62	18536	10.497	ug/l	96
43) Isopropyl Acetate	8.363	43	15680	10.387	ug/l	97
44) Trichloroethene	9.028	130	19794	10.529	ug/l	95
45) 1,2-Dichloropropane	9.310	63	17164	10.366	ug/l	98
46) Dibromomethane	9.393	93	9463	10.204	ug/l	94
47) Bromodichloromethane	9.587	83	25497	10.585	ug/l	97
48) Methyl methacrylate	9.381	41	8272	9.723	ug/l #	82
49) 1,4-Dioxane	9.381	88	1626	185.475	ug/l #	71
51) 4-Methyl-2-Pentanone	10.157	43	39138	50.527	ug/l	92
52) Toluene	10.334	92	42584	10.048	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	21846	9.996	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	26633	10.147	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	12892	9.879	ug/l #	88
56) Ethyl methacrylate	10.604	69	9728	9.393	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	22544	10.514	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	21836	48.700	ug/l	99
59) 2-Hexanone	10.922	43	33053	54.935	ug/l	94
60) Dibromochloromethane	11.075	129	16994	10.222	ug/l	97
61) 1,2-Dibromoethane	11.175	107	13178	10.533	ug/l	95
64) Tetrachloroethene	10.810	164	15370	10.277	ug/l	92
65) Chlorobenzene	11.610	112	48762	10.370	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.681	131	18270	10.266	ug/l	95
67) Ethyl Benzene	11.681	91	81640	9.959	ug/l	95
68) m/p-Xylenes	11.793	106	62849	19.700	ug/l	94
69) o-Xylene	12.122	106	28655	9.637	ug/l	89
70) Styrene	12.134	104	42024	9.572	ug/l	93
71) Bromoform	12.304	173	10465	10.658	ug/l #	97
73) Isopropylbenzene	12.422	105	74590	9.838	ug/l	97
74) N-amyl acetate	12.234	43	13332	10.593	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	15308	11.110	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	9597m	10.792	ug/l	
77) Bromobenzene	12.704	156	18471	10.015	ug/l	94
78) n-propylbenzene	12.763	91	94321	10.336	ug/l	99
79) 2-Chlorotoluene	12.851	91	51607	10.455	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	64335	10.260	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	4441	10.304	ug/l	95
82) 4-Chlorotoluene	12.945	91	56129	10.606	ug/l	95
83) tert-Butylbenzene	13.163	119	55614	9.901	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	63902	10.005	ug/l	98
85) sec-Butylbenzene	13.345	105	81327	10.141	ug/l	97
86) p-Isopropyltoluene	13.457	119	69749	9.718	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	38265	10.028	ug/l	100
88) 1,4-Dichlorobenzene	13.540	146	38436	10.270	ug/l	95
89) n-Butylbenzene	13.787	91	68435	10.388	ug/l	97
90) Hexachloroethane	14.057	117	14898	10.383	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	33922	10.351	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2169	11.239	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	21440	10.020	ug/l	96
94) Hexachlorobutadiene	15.204	225	11943	9.935	ug/l	93
95) Naphthalene	15.334	128	33743	9.264	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	17641	9.717	ug/l	98

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

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