

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077926.D
 Acq On : 16 Dec 2023 03:38
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 16 05:14:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	107572	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	198216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	101943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	72888	57.502	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.000%			
35) Dibromofluoromethane	7.804	113	77161	55.574	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.140%			
50) Toluene-d8	10.269	98	308085	55.402	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.800%			
62) 4-Bromofluorobenzene	12.575	95	95621	57.514	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	59430	44.227	ug/l	96
3) Chloromethane	2.152	50	108182	59.063	ug/l	99
4) Vinyl Chloride	2.287	62	146964	59.104	ug/l	99
5) Bromomethane	2.699	94	103183	73.953	ug/l	99
6) Chloroethane	2.840	64	108244	63.852	ug/l	99
7) Trichlorofluoromethane	3.181	101	116662	50.942	ug/l	94
8) Diethyl Ether	3.599	74	39916	62.072	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.975	101	68574	52.342	ug/l	96
10) Methyl Iodide	4.169	142	84411	70.343	ug/l	# 90
11) Tert butyl alcohol	5.052	59	16654	273.908	ug/l	# 92
12) 1,1-Dichloroethene	3.946	96	72549	56.107	ug/l	84
13) Acrolein	3.799	56	27073	201.907	ug/l	96
14) Allyl chloride	4.575	41	102851	57.834	ug/l	92
15) Acrylonitrile	5.257	53	86523	314.252	ug/l	99
16) Acetone	4.028	43	67081	244.126	ug/l	# 83
17) Carbon Disulfide	4.275	76	231787	52.985	ug/l	99
18) Methyl Acetate	4.569	43	70130	70.250	ug/l	89
19) Methyl tert-butyl Ether	5.316	73	173901	63.389	ug/l	98
20) Methylene Chloride	4.810	84	100909	69.068	ug/l	# 86
21) trans-1,2-Dichloroethene	5.316	96	88519	60.439	ug/l	86
22) Diisopropyl ether	6.222	45	232261	62.497	ug/l	93
23) Vinyl Acetate	6.157	43	524586	289.053	ug/l	95
24) 1,1-Dichloroethane	6.116	63	157538	62.597	ug/l	96
25) 2-Butanone	7.081	43	95965	277.039	ug/l	# 85
26) 2,2-Dichloropropane	7.081	77	117336	55.529	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	104644	66.401	ug/l	93
28) Bromochloromethane	7.428	49	53659	52.764	ug/l	# 77
29) Tetrahydrofuran	7.451	42	59974	297.121	ug/l	89
30) Chloroform	7.604	83	161121	63.968	ug/l	95
31) Cyclohexane	7.881	56	111243	49.340	ug/l	83
32) 1,1,1-Trichloroethane	7.798	97	132137	59.509	ug/l	99
36) 1,1-Dichloropropene	8.016	75	120015	54.039	ug/l	95
37) Ethyl Acetate	7.169	43	42098	48.614	ug/l	# 92
38) Carbon Tetrachloride	7.993	117	115502	52.167	ug/l	94
39) Methylcyclohexane	9.275	83	130252	49.472	ug/l	96
40) Benzene	8.251	78	369080	58.553	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	27141	61.665	ug/l	88
42) 1,2-Dichloroethane	8.328	62	96356	58.973	ug/l	94
43) Isopropyl Acetate	8.363	43	86522	56.206	ug/l #	91
44) Trichloroethene	9.028	130	92431	56.270	ug/l	99
45) 1,2-Dichloropropane	9.304	63	89212	58.220	ug/l	93
46) Dibromomethane	9.398	93	48928	60.348	ug/l	92
47) Bromodichloromethane	9.587	83	123993	60.336	ug/l	99
48) Methyl methacrylate	9.381	41	49944	57.075	ug/l #	80
49) 1,4-Dioxane	9.387	88	7780	966.376	ug/l #	78
51) 4-Methyl-2-Pentanone	10.163	43	222712	283.480	ug/l	90
52) Toluene	10.334	92	235392	60.203	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	117796	59.691	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	139657	58.533	ug/l #	87
55) 1,1,2-Trichloroethane	10.734	97	66233	59.723	ug/l	91
56) Ethyl methacrylate	10.598	69	59345	60.704	ug/l	91
57) 1,3-Dichloropropane	10.881	76	113895	59.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	136671	245.143	ug/l	94
59) 2-Hexanone	10.922	43	155043	237.870	ug/l	90
60) Dibromochloromethane	11.075	129	82728	61.958	ug/l	96
61) 1,2-Dibromoethane	11.181	107	62704	60.065	ug/l	99
64) Tetrachloroethene	10.810	164	77964	56.560	ug/l	96
65) Chlorobenzene	11.610	112	247068	56.112	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	91281	58.530	ug/l	97
67) Ethyl Benzene	11.686	91	454718	58.237	ug/l	96
68) m/p-Xylenes	11.792	106	355390	118.994	ug/l	94
69) o-Xylene	12.122	106	164574	59.790	ug/l	93
70) Styrene	12.134	104	251544	61.459	ug/l	94
71) Bromoform	12.298	173	48490	59.506	ug/l #	98
73) Isopropylbenzene	12.422	105	429017	55.526	ug/l	96
74) N-amyl acetate	12.234	43	76937	50.657	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	77061	57.201	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	53848m	60.819	ug/l	
77) Bromobenzene	12.704	156	102528	56.416	ug/l	92
78) n-propylbenzene	12.763	91	529199	56.209	ug/l	95
79) 2-Chlorotoluene	12.851	91	284919	56.470	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	364491	56.562	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	23487	53.747	ug/l	96
82) 4-Chlorotoluene	12.945	91	305290	57.878	ug/l	96
83) tert-Butylbenzene	13.169	119	315705	58.031	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	375529	58.264	ug/l	97
85) sec-Butylbenzene	13.345	105	447592	55.660	ug/l	96
86) p-Isopropyltoluene	13.463	119	415008	57.641	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	215576	58.006	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	209727	56.754	ug/l	99
89) n-Butylbenzene	13.786	91	373009	55.059	ug/l	99
90) Hexachloroethane	14.051	117	78117	58.996	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	181436	57.403	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11070	56.860	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	113590	52.613	ug/l	98
94) Hexachlorobutadiene	15.204	225	57426	49.326	ug/l	98
95) Naphthalene	15.333	128	207236	57.772	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	96840	54.408	ug/l	98

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

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