

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101723\
 Data File : VD077343.D
 Acq On : 17 Oct 2023 16:28
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/20/2023
 Supervised By :Mahesh Dadoda 10/20/2023

Quant Time: Oct 18 02:46:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 02:44:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	204763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	326407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	308992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	164697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	85121	46.555	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.100%		
35) Dibromofluoromethane	7.804	113	103592	45.175	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.340%		
50) Toluene-d8	10.269	98	385028	46.883	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.760%		
62) 4-Bromofluorobenzene	12.575	95	113189	47.880	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	90637	47.612	ug/l	98
3) Chloromethane	2.152	50	191667	49.443	ug/l	99
4) Vinyl Chloride	2.287	62	232803	50.840	ug/l	100
5) Bromomethane	2.699	94	140474	47.737	ug/l	99
6) Chloroethane	2.840	64	158549	49.253	ug/l	100
7) Trichlorofluoromethane	3.181	101	220851	47.543	ug/l	99
8) Diethyl Ether	3.593	74	49007	39.362	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	104054	43.297	ug/l	96
10) Methyl Iodide	4.163	142	141873	48.246	ug/l	93
11) Tert butyl alcohol	5.052	59	23242	225.969	ug/l	100
12) 1,1-Dichloroethene	3.940	96	103765	44.013	ug/l	97
13) Acrolein	3.799	56	33256	186.260	ug/l	100
14) Allyl chloride	4.563	41	102399	45.776	ug/l	94
15) Acrylonitrile	5.258	53	94619	250.782	ug/l	100
16) Acetone	4.022	43	84678	211.194	ug/l	94
17) Carbon Disulfide	4.269	76	319019	46.030	ug/l	99
18) Methyl Acetate	4.563	43	62328	44.666	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	208251	51.860	ug/l	95
20) Methylene Chloride	4.810	84	127213	52.678	ug/l	98
21) trans-1,2-Dichloroethene	5.316	96	125351	51.119	ug/l	90
22) Diisopropyl ether	6.216	45	238915	54.408	ug/l	96
23) Vinyl Acetate	6.157	43	567575m	275.807	ug/l	
24) 1,1-Dichloroethane	6.116	63	184916	50.648	ug/l	99
25) 2-Butanone	7.081	43	105836	254.464	ug/l	99
26) 2,2-Dichloropropane	7.075	77	165759	49.792	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	139099	50.591	ug/l	96
28) Bromochloromethane	7.428	49	64778	48.571	ug/l	95
29) Tetrahydrofuran	7.452	42	62524	260.601	ug/l	97
30) Chloroform	7.593	83	213743	51.025	ug/l	94
31) Cyclohexane	7.881	56	136415	47.953	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	183334	50.730	ug/l	96
36) 1,1-Dichloropropene	8.010	75	151998	50.445	ug/l	98
37) Ethyl Acetate	7.175	43	43093	45.529	ug/l	99
38) Carbon Tetrachloride	7.993	117	165438	49.356	ug/l	100
39) Methylcyclohexane	9.275	83	185054	50.544	ug/l	96
40) Benzene	8.251	78	468996	51.290	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	26373	58.385	ug/l #	95
42) 1,2-Dichloroethane	8.328	62	109233	50.716	ug/l	99
43) Isopropyl Acetate	8.363	43	85661	50.273	ug/l	99
44) Trichloroethene	9.028	130	134664	50.371	ug/l	94
45) 1,2-Dichloropropane	9.304	63	107643	51.068	ug/l	99
46) Dibromomethane	9.398	93	66901	50.768	ug/l	99
47) Bromodichloromethane	9.587	83	159045	50.615	ug/l	94
48) Methyl methacrylate	9.381	41	39877	51.733	ug/l	96
49) 1,4-Dioxane	9.381	88	12820	990.707	ug/l	99
51) 4-Methyl-2-Pentanone	10.157	43	225142	263.589	ug/l	98
52) Toluene	10.334	92	312543	52.350	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	147851	52.419	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	178221	51.643	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	92722	50.802	ug/l	96
56) Ethyl methacrylate	10.598	69	92994	53.313	ug/l	99
57) 1,3-Dichloropropane	10.881	76	142700	50.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	225765	261.727	ug/l	96
59) 2-Hexanone	10.922	43	162506	264.901	ug/l	97
60) Dibromochloromethane	11.075	129	117335	50.347	ug/l	97
61) 1,2-Dibromoethane	11.181	107	87284	50.750	ug/l	100
64) Tetrachloroethene	10.810	164	113636	49.479	ug/l	95
65) Chlorobenzene	11.610	112	339789	50.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	128049	50.015	ug/l	97
67) Ethyl Benzene	11.687	91	584758	52.376	ug/l	99
68) m/p-Xylenes	11.792	106	482647	105.275	ug/l	97
69) o-Xylene	12.122	106	222486	52.716	ug/l	99
70) Styrene	12.134	104	391582	54.381	ug/l	99
71) Bromoform	12.298	173	71393	50.869	ug/l #	100
73) Isopropylbenzene	12.422	105	572329	52.537	ug/l	98
74) N-amyl acetate	12.234	43	79420	50.677	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	98340	49.677	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	68557m	35.715	ug/l	
77) Bromobenzene	12.704	156	146871	51.354	ug/l	94
78) n-propylbenzene	12.763	91	694142	52.908	ug/l	98
79) 2-Chlorotoluene	12.851	91	366978	51.354	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	474409	52.772	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	31921	51.934	ug/l	95
82) 4-Chlorotoluene	12.945	91	383353	51.527	ug/l	98
83) tert-Butylbenzene	13.169	119	407979	51.188	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	486719	53.775	ug/l	99
85) sec-Butylbenzene	13.345	105	624882	52.102	ug/l	99
86) p-Isopropyltoluene	13.463	119	547158	52.514	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	307041	51.013	ug/l	100
88) 1,4-Dichlorobenzene	13.539	146	296233	49.667	ug/l	99
89) n-Butylbenzene	13.786	91	471703	51.992	ug/l	99
90) Hexachloroethane	14.057	117	107138	50.869	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	259480	51.035	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	13246	54.668	ug/l	86
93) 1,2,4-Trichlorobenzene	15.104	180	160638	50.709	ug/l	99
94) Hexachlorobutadiene	15.204	225	87900	48.858	ug/l	98
95) Naphthalene	15.333	128	275410	51.492	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	140826	51.217	ug/l	99

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

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