

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078074.D
 Acq On : 22 Dec 2023 19:50
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/26/2023
 Supervised By :Semsettin Yesilyurt 12/26/2023

Quant Time: Dec 23 03:41:21 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.881	168	245399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	397908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	355221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	177043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	103481	35.786	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	71.580%		
35) Dibromofluoromethane	7.810	113	124697	44.739	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.480%		
50) Toluene-d8	10.269	98	444324	39.803	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	79.600%		
62) 4-Bromofluorobenzene	12.575	95	135247	40.524	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	113683	37.086	ug/l	93
3) Chloromethane	2.152	50	167648	40.123	ug/l	99
4) Vinyl Chloride	2.287	62	234164	41.281	ug/l	99
5) Bromomethane	2.699	94	184225	57.879	ug/l	99
6) Chloroethane	2.840	64	171859	44.439	ug/l	99
7) Trichlorofluoromethane	3.181	101	226820	43.417	ug/l	97
8) Diethyl Ether	3.599	74	67111	45.748	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.975	101	131789	44.095	ug/l	96
10) Methyl Iodide	4.169	142	178689	65.761	ug/l	93
11) Tert butyl alcohol	5.052	59	25741	181.776	ug/l #	88
12) 1,1-Dichloroethene	3.946	96	137818	46.721	ug/l	92
13) Acrolein	3.799	56	45179	147.699	ug/l	98
14) Allyl chloride	4.569	41	154820	38.162	ug/l	94
15) Acrylonitrile	5.258	53	125725	200.168	ug/l	99
16) Acetone	4.022	43	107801	161.302	ug/l	91
17) Carbon Disulfide	4.275	76	421197	42.206	ug/l	95
18) Methyl Acetate	4.569	43	90538	39.756	ug/l	97
19) Methyl tert-butyl Ether	5.322	73	290041	46.344	ug/l	98
20) Methylene Chloride	4.805	84	171914	50.222	ug/l	92
21) trans-1,2-Dichloroethene	5.322	96	160887	48.154	ug/l	99
22) Diisopropyl ether	6.216	45	338151	39.886	ug/l	97
23) Vinyl Acetate	6.158	43	788082	190.353	ug/l	95
24) 1,1-Dichloroethane	6.116	63	249794	43.509	ug/l	98
25) 2-Butanone	7.081	43	142068	174.175	ug/l	91
26) 2,2-Dichloropropane	7.081	77	208304	43.213	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	182090	50.649	ug/l	98
28) Bromochloromethane	7.428	49	85178	36.716	ug/l	99
29) Tetrahydrofuran	7.452	42	81502	176.997	ug/l	98
30) Chloroform	7.599	83	269154	46.842	ug/l	98
31) Cyclohexane	7.887	56	183356	35.649	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	233542	46.105	ug/l	96
36) 1,1-Dichloropropene	8.010	75	200790	45.037	ug/l	98
37) Ethyl Acetate	7.169	43	61485	35.369	ug/l #	93
38) Carbon Tetrachloride	7.999	117	207290	46.638	ug/l	96
39) Methylcyclohexane	9.275	83	229872	43.493	ug/l	98
40) Benzene	8.252	78	589897	46.619	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	32808	37.132	ug/l #	88
42) 1,2-Dichloroethane	8.328	62	152862	46.605	ug/l	96
43) Isopropyl Acetate	8.363	43	117414	37.996	ug/l	97
44) Trichloroethene	9.028	130	173142	52.507	ug/l	95
45) 1,2-Dichloropropane	9.304	63	138809	45.126	ug/l	95
46) Dibromomethane	9.393	93	81651	50.167	ug/l	99
47) Bromodichloromethane	9.587	83	201224	48.777	ug/l #	98
48) Methyl methacrylate	9.381	41	67830	38.614	ug/l	89
49) 1,4-Dioxane	9.387	88	14065	870.287	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	297903	188.891	ug/l	96
52) Toluene	10.334	92	388585	49.507	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	187380	47.300	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	229953	48.010	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	109286	49.089	ug/l	96
56) Ethyl methacrylate	10.599	69	89269	45.487	ug/l	93
57) 1,3-Dichloropropane	10.881	76	178123	46.417	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	217478	194.319	ug/l	100
59) 2-Hexanone	10.922	43	212659	162.527	ug/l	95
60) Dibromochloromethane	11.075	129	139824	52.166	ug/l	97
61) 1,2-Dibromoethane	11.181	107	107928	51.501	ug/l	99
64) Tetrachloroethene	10.810	164	137927	52.829	ug/l	97
65) Chlorobenzene	11.604	112	416289	49.703	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	154481	52.297	ug/l	97
67) Ethyl Benzene	11.681	91	760125	51.398	ug/l	98
68) m/p-Xylenes	11.793	106	620470	109.685	ug/l	95
69) o-Xylene	12.122	106	284591	54.588	ug/l	94
70) Styrene	12.134	104	401440	51.784	ug/l	95
71) Bromoform	12.298	173	80863	52.392	ug/l #	100
73) Isopropylbenzene	12.422	105	707338	52.714	ug/l	97
74) N-amyl acetate	12.234	43	105450	39.979	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	114471	48.927	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	73070m	47.521	ug/l	
77) Bromobenzene	12.698	156	186431	59.069	ug/l	91
78) n-propylbenzene	12.763	91	902785	55.214	ug/l	98
79) 2-Chlorotoluene	12.845	91	505553	57.695	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	707756	63.241	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	35251	46.449	ug/l	99
82) 4-Chlorotoluene	12.945	91	474541	51.803	ug/l	98
83) tert-Butylbenzene	13.163	119	492941	52.174	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	1048638	93.683	ug/l	98
85) sec-Butylbenzene	13.345	105	717467	51.373	ug/l	98
86) p-Isopropyltoluene	13.457	119	663434	53.058	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	339290	52.568	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	331951	51.578	ug/l	99
89) n-Butylbenzene	13.787	91	603041	51.255	ug/l	99
90) Hexachloroethane	14.051	117	126347	54.944	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	285437	51.999	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	16387	48.318	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	187522	50.013	ug/l	99
94) Hexachlorobutadiene	15.204	225	103110	50.997	ug/l	100
95) Naphthalene	15.328	128	410805	65.942	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	160050	51.778	ug/l	99

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

