

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101123\
 Data File : VD077311.D
 Acq On : 11 Oct 2023 17:38
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/16/2023
 Supervised By :Semsettin Yesilyurt 10/16/2023

Quant Time: Oct 12 08:58:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 04:48:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	244665	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	437450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	406075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	193924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	94527	48.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.580%		
35) Dibromofluoromethane	7.804	113	112268	48.310	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.620%		
50) Toluene-d8	10.269	98	388792	50.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.780%		
62) 4-Bromofluorobenzene	12.575	95	127027	49.501	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	108747	47.848	ug/l	91
3) Chloromethane	2.146	50	191773	53.284	ug/l	99
4) Vinyl Chloride	2.281	62	212137	54.027	ug/l	99
5) Bromomethane	2.687	94	150296	54.428	ug/l	100
6) Chloroethane	2.834	64	143532	55.374	ug/l	99
7) Trichlorofluoromethane	3.175	101	234497	57.748	ug/l	99
8) Diethyl Ether	3.587	74	78014	55.123	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.963	101	145969	49.929	ug/l	94
10) Methyl Iodide	4.158	142	201696	55.849	ug/l	91
11) Tert butyl alcohol	5.046	59	37424	252.593	ug/l	99
12) 1,1-Dichloroethene	3.940	96	144921	51.336	ug/l	# 82
13) Acrolein	3.799	56	60910	352.554	ug/l	99
14) Allyl chloride	4.558	41	205811	53.018	ug/l	91
15) Acrylonitrile	5.252	53	177662	255.017	ug/l	99
16) Acetone	4.016	43	149102	246.141	ug/l	94
17) Carbon Disulfide	4.269	76	461540	54.176	ug/l	100
18) Methyl Acetate	4.563	43	125194	51.994	ug/l	90
19) Methyl tert-butyl Ether	5.316	73	338095	53.662	ug/l	99
20) Methylene Chloride	4.799	84	210711	48.010	ug/l	# 87
21) trans-1,2-Dichloroethene	5.310	96	175927	52.191	ug/l	96
22) Diisopropyl ether	6.216	45	477444	54.299	ug/l	93
23) Vinyl Acetate	6.152	43	1117364m	271.157	ug/l	
24) 1,1-Dichloroethane	6.110	63	302112	51.671	ug/l	96
25) 2-Butanone	7.081	43	206103	255.408	ug/l	# 86
26) 2,2-Dichloropropane	7.075	77	240965	51.254	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	196056	51.959	ug/l	94
28) Bromochloromethane	7.422	49	123142	53.212	ug/l	# 76
29) Tetrahydrofuran	7.440	42	128037	265.950	ug/l	86
30) Chloroform	7.593	83	310003	51.743	ug/l	96
31) Cyclohexane	7.881	56	234528	50.449	ug/l	87
32) 1,1,1-Trichloroethane	7.793	97	245937	51.192	ug/l	99
36) 1,1-Dichloropropene	8.010	75	224594	53.313	ug/l	96
37) Ethyl Acetate	7.169	43	93041	52.643	ug/l	95
38) Carbon Tetrachloride	7.993	117	198513	51.946	ug/l	95
39) Methylcyclohexane	9.275	83	264895	55.795	ug/l	95
40) Benzene	8.251	78	692131	53.251	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	50154	52.538	ug/l	93
42) 1,2-Dichloroethane	8.322	62	163655	52.384	ug/l	98
43) Isopropyl Acetate	8.363	43	167611	53.515	ug/l	92
44) Trichloroethene	9.028	130	163019	51.183	ug/l	84
45) 1,2-Dichloropropane	9.304	63	177854	53.205	ug/l	95
46) Dibromomethane	9.393	93	91537	52.243	ug/l	90
47) Bromodichloromethane	9.587	83	225571	52.509	ug/l	99
48) Methyl methacrylate	9.381	41	80054	55.485	ug/l #	81
49) 1,4-Dioxane	9.387	88	19449	1065.001	ug/l #	92
51) 4-Methyl-2-Pentanone	10.157	43	444321	271.432	ug/l	92
52) Toluene	10.334	92	434935	54.830	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	219800	54.570	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	270175	54.088	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	127069	53.358	ug/l	94
56) Ethyl methacrylate	10.598	69	155110	50.991	ug/l	92
57) 1,3-Dichloropropane	10.881	76	215021	52.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	382152	252.244	ug/l	92
59) 2-Hexanone	10.922	43	315247	272.312	ug/l	90
60) Dibromochloromethane	11.075	129	146840	53.987	ug/l	96
61) 1,2-Dibromoethane	11.181	107	118710	54.610	ug/l	98
64) Tetrachloroethene	10.810	164	132931	51.278	ug/l	91
65) Chlorobenzene	11.610	112	448999	53.167	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	154635	51.912	ug/l	99
67) Ethyl Benzene	11.681	91	821108	54.484	ug/l	95
68) m/p-Xylenes	11.792	106	635724	109.605	ug/l	88
69) o-Xylene	12.122	106	297571	55.428	ug/l	91
70) Styrene	12.134	104	529693	56.941	ug/l	97
71) Bromoform	12.298	173	82525	54.583	ug/l #	97
73) Isopropylbenzene	12.422	105	768150	53.633	ug/l	95
74) N-amyl acetate	12.234	43	162436	53.937	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	147931	51.470	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	95825m	44.976	ug/l	
77) Bromobenzene	12.704	156	169965	51.871	ug/l	83
78) n-propylbenzene	12.763	91	977142	53.807	ug/l	94
79) 2-Chlorotoluene	12.851	91	523662	53.485	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	641369	53.741	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	47767	53.456	ug/l	95
82) 4-Chlorotoluene	12.945	91	551794	53.345	ug/l	93
83) tert-Butylbenzene	13.169	119	538909	54.058	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	651711	54.515	ug/l	97
85) sec-Butylbenzene	13.345	105	850098	54.683	ug/l	94
86) p-Isopropyltoluene	13.463	119	699969	54.803	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	363089	52.836	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	345153	50.848	ug/l	97
89) n-Butylbenzene	13.786	91	675963	54.131	ug/l	98
90) Hexachloroethane	14.057	117	131796	52.335	ug/l	86
91) 1,2-Dichlorobenzene	13.834	146	304576	51.287	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	19877	52.844	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	188969	52.755	ug/l	97
94) Hexachlorobutadiene	15.204	225	93430	52.175	ug/l	100
95) Naphthalene	15.333	128	368899	53.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	166757	52.682	ug/l	98

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

