

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051324\
 Data File : VD078906.D
 Acq On : 13 May 2024 10:50
 Operator : RP/MD
 Sample : VSTDICC010
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Quant Time: May 14 06:07:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 05:58:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/14/2024
 Supervised By :Semsettin Yesilyurt 05/14/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	117782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	200811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	94337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	12542	11.352	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.700%#		
35) Dibromofluoromethane	7.810	113	13968	10.449	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.900%#		
50) Toluene-d8	10.269	98	50771	10.132	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.260%#		
62) 4-Bromofluorobenzene	12.569	95	13760	9.774	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.540%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	12606	11.454	ug/l	92
3) Chloromethane	2.146	50	18726	10.241	ug/l	90
4) Vinyl Chloride	2.281	62	26905	10.770	ug/l	96
5) Bromomethane	2.693	94	26364	11.653	ug/l	96
6) Chloroethane	2.840	64	23363	11.090	ug/l	99
7) Trichlorofluoromethane	3.181	101	27903	12.097	ug/l	84
8) Diethyl Ether	3.593	74	7586	13.564	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.969	101	12310	10.106	ug/l	90
10) Methyl Iodide	4.164	142	13306	9.143	ug/l	99
11) Tert butyl alcohol	5.058	59	2511	49.612	ug/l #	86
12) 1,1-Dichloroethene	3.940	96	12269	10.290	ug/l #	82
13) Acrolein	3.793	56	6569	59.729	ug/l	86
14) Allyl chloride	4.564	41	11208	9.633	ug/l	98
15) Acrylonitrile	5.258	53	10045	47.037	ug/l #	84
16) Acetone	4.028	43	8053	45.715	ug/l #	79
17) Carbon Disulfide	4.275	76	40237	10.132	ug/l	96
18) Methyl Acetate	4.564	43	4224	10.414	ug/l	89
19) Methyl tert-butyl Ether	5.322	73	22128	9.525	ug/l #	83
20) Methylene Chloride	4.811	84	20450	9.908	ug/l	89
21) trans-1,2-Dichloroethene	5.311	96	13580	10.218	ug/l	95
22) Diisopropyl ether	6.216	45	25035	9.514	ug/l	95
23) Vinyl Acetate	6.158	43	71899	45.554	ug/l	98
24) 1,1-Dichloroethane	6.116	63	22136	10.611	ug/l	97
25) 2-Butanone	7.081	43	10936	46.417	ug/l #	76
26) 2,2-Dichloropropane	7.081	77	19282	10.518	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	15796	10.122	ug/l	99
28) Bromochloromethane	7.422	49	7265	10.443	ug/l #	91
29) Tetrahydrofuran	7.452	42	6308	46.290	ug/l	97
30) Chloroform	7.599	83	24434	10.341	ug/l	97
31) Cyclohexane	7.875	56	17766	11.007	ug/l #	86
32) 1,1,1-Trichloroethane	7.799	97	21745	10.747	ug/l	97
36) 1,1-Dichloropropene	8.005	75	16369	9.841	ug/l	96
37) Ethyl Acetate	7.169	43	5604	9.885	ug/l #	88
38) Carbon Tetrachloride	7.993	117	19585	10.061	ug/l	97
39) Methylcyclohexane	9.275	83	19266	9.532	ug/l	91
40) Benzene	8.252	78	53295	9.906	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	2924	9.586	ug/l #	77
42) 1,2-Dichloroethane	8.328	62	12593	9.670	ug/l	97
43) Isopropyl Acetate	8.369	43	8807	8.756	ug/l #	88
44) Trichloroethene	9.028	130	14153	9.918	ug/l	94
45) 1,2-Dichloropropane	9.304	63	11750	9.938	ug/l #	85
46) Dibromomethane	9.399	93	7645	9.823	ug/l	93
47) Bromodichloromethane	9.587	83	18342	9.790	ug/l	95
48) Methyl methacrylate	9.387	41	4698	9.594	ug/l	88
49) 1,4-Dioxane	9.381	88	1230	179.657	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	24723	46.145	ug/l	91
52) Toluene	10.334	92	32058	9.309	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	14772	9.279	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	18326	9.590	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	10080	10.024	ug/l	93
56) Ethyl methacrylate	10.599	69	8306	8.029	ug/l #	92
57) 1,3-Dichloropropane	10.875	76	14707	9.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	18071	40.653	ug/l	99
59) 2-Hexanone	10.922	43	15571	41.755	ug/l	99
60) Dibromochloromethane	11.075	129	13222	9.646	ug/l	95
61) 1,2-Dibromoethane	11.181	107	8629	9.412	ug/l	87
64) Tetrachloroethene	10.810	164	12050	10.199	ug/l	92
65) Chlorobenzene	11.604	112	38044	9.821	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	12469	9.311	ug/l	95
67) Ethyl Benzene	11.681	91	56907	9.133	ug/l	93
68) m/p-Xylenes	11.793	106	45208	17.847	ug/l	92
69) o-Xylene	12.122	106	20739	8.980	ug/l	95
70) Styrene	12.140	104	34918	8.531	ug/l	98
71) Bromoform	12.298	173	7717	10.060	ug/l #	94
73) Isopropylbenzene	12.422	105	51398	9.128	ug/l	99
74) N-amyl acetate	12.234	43	8493	9.296	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	10050	9.895	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	6033m	9.018	ug/l	
77) Bromobenzene	12.698	156	13831	9.341	ug/l	99
78) n-propylbenzene	12.763	91	63870	9.385	ug/l	99
79) 2-Chlorotoluene	12.851	91	36371	9.616	ug/l	98
80) 1,3,5-Trimethylbenzene	12.898	105	43659	9.333	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	2983	8.907	ug/l #	94
82) 4-Chlorotoluene	12.945	91	38338	9.661	ug/l	96
83) tert-Butylbenzene	13.163	119	37655	9.102	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	43418	8.960	ug/l	99
85) sec-Butylbenzene	13.345	105	57618	9.336	ug/l	100
86) p-Isopropyltoluene	13.463	119	47477	8.830	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	29513	9.419	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	30063	9.797	ug/l	97
89) n-Butylbenzene	13.787	91	44463	9.229	ug/l	97
90) Hexachloroethane	14.051	117	11585	10.215	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	25368	9.677	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1346	9.955	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	13887	9.022	ug/l	95
94) Hexachlorobutadiene	15.198	225	8191	10.182	ug/l	96
95) Naphthalene	15.334	128	22343	8.521	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.522	180	12434	9.081	ug/l	99

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

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