

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081224\
 Data File : VD079704.D
 Acq On : 12 Aug 2024 11:20
 Operator : RP/MD
 Sample : VSTDICC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/13/2024
 Supervised By :Mahesh Dadoda 08/13/2024

Quant Time: Aug 12 14:27:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 12 14:24:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	178978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	343733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	312517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	150630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	21448	10.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.840%#		
35) Dibromofluoromethane	7.805	113	21753	10.265	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.540%#		
50) Toluene-d8	10.269	98	84474	9.538	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.080%#		
62) 4-Bromofluorobenzene	12.569	95	23444	9.454	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.900%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	20130	9.776	ug/l	100
3) Chloromethane	2.146	50	38296	11.079	ug/l	96
4) Vinyl Chloride	2.281	62	42866	10.490	ug/l	96
5) Bromomethane	2.687	94	28924	10.399	ug/l	97
6) Chloroethane	2.828	64	28864	10.348	ug/l	90
7) Trichlorofluoromethane	3.175	101	38352	10.494	ug/l	100
8) Diethyl Ether	3.593	74	11135	9.744	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.964	101	21372	9.934	ug/l	93
10) Methyl Iodide	4.164	142	22029	9.148	ug/l	98
11) Tert butyl alcohol	5.052	59	6511	57.074	ug/l	98
12) 1,1-Dichloroethene	3.940	96	21430	9.526	ug/l	85
13) Acrolein	3.799	56	11555	48.244	ug/l	91
14) Allyl chloride	4.564	41	32347	9.587	ug/l #	82
15) Acrylonitrile	5.258	53	26375	50.135	ug/l #	88
16) Acetone	4.022	43	20023	55.843	ug/l #	87
17) Carbon Disulfide	4.264	76	80513	10.096	ug/l	97
18) Methyl Acetate	4.569	43	16257	11.580	ug/l #	85
19) Methyl tert-butyl Ether	5.311	73	42835	9.273	ug/l	96
20) Methylene Chloride	4.799	84	39977	9.385	ug/l	89
21) trans-1,2-Dichloroethene	5.305	96	23733	9.609	ug/l #	76
22) Diisopropyl ether	6.211	45	67026	9.639	ug/l #	90
23) Vinyl Acetate	6.152	43	233251	45.765	ug/l #	89
24) 1,1-Dichloroethane	6.111	63	44920	9.772	ug/l	99
25) 2-Butanone	7.081	43	29671	46.837	ug/l	89
26) 2,2-Dichloropropane	7.075	77	35059	9.658	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	27773	9.694	ug/l	85
28) Bromochloromethane	7.422	49	20673	10.572	ug/l #	65
29) Tetrahydrofuran	7.440	42	19110	49.622	ug/l #	76
30) Chloroform	7.599	83	46520	10.422	ug/l	99
31) Cyclohexane	7.875	56	37253	9.898	ug/l #	82
32) 1,1,1-Trichloroethane	7.793	97	37115	10.051	ug/l	97
36) 1,1-Dichloropropene	8.011	75	31076	9.461	ug/l	93
37) Ethyl Acetate	7.169	43	14736	9.913	ug/l	97
38) Carbon Tetrachloride	7.987	117	32656	9.794	ug/l	92
39) Methylcyclohexane	9.275	83	35322	9.098	ug/l #	84
40) Benzene	8.252	78	104328	9.766	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	7274	9.653	ug/l #	76
42) 1,2-Dichloroethane	8.328	62	24153	9.781	ug/l	97
43) Isopropyl Acetate	8.363	43	24575	9.479	ug/l #	95
44) Trichloroethene	9.028	130	22622	9.641	ug/l	78
45) 1,2-Dichloropropane	9.299	63	25485	9.692	ug/l	95
46) Dibromomethane	9.393	93	13060	9.810	ug/l	91
47) Bromodichloromethane	9.581	83	32928	9.812	ug/l	98
48) Methyl methacrylate	9.381	41	10517	8.820	ug/l	85
49) 1,4-Dioxane	9.387	88	2818	210.323	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	63759	47.803	ug/l	90
52) Toluene	10.334	92	60074	9.378	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	30341	9.672	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	34980	9.085	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	17558	9.894	ug/l	92
56) Ethyl methacrylate	10.593	69	19205	10.295	ug/l	91
57) 1,3-Dichloropropane	10.875	76	30073	9.830	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	42868	44.296	ug/l #	86
59) 2-Hexanone	10.922	43	42290	52.777	ug/l	91
60) Dibromochloromethane	11.069	129	22272	10.186	ug/l	99
61) 1,2-Dibromoethane	11.175	107	15902	10.091	ug/l	94
64) Tetrachloroethene	10.810	164	17638	9.237	ug/l #	86
65) Chlorobenzene	11.604	112	65911	9.605	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	21417	9.573	ug/l	97
67) Ethyl Benzene	11.681	91	107330	8.914	ug/l	96
68) m/p-Xylenes	11.793	106	81388	17.382	ug/l	91
69) o-Xylene	12.116	106	37876	8.851	ug/l	95
70) Styrene	12.134	104	65564	8.733	ug/l	96
71) Bromoform	12.299	173	11538	10.033	ug/l #	99
73) Isopropylbenzene	12.416	105	94397	8.926	ug/l	99
74) N-amyl acetate	12.234	43	21395	9.081	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.669	83	21065	10.668	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	12266m	4.965	ug/l	
77) Bromobenzene	12.698	156	23019	9.733	ug/l	81
78) n-propylbenzene	12.763	91	115941	8.860	ug/l	97
79) 2-Chlorotoluene	12.846	91	67560	9.271	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	78120	8.908	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	6756	9.376	ug/l	95
82) 4-Chlorotoluene	12.946	91	73911	9.646	ug/l	94
83) tert-Butylbenzene	13.163	119	64809	8.757	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	78865	8.790	ug/l	98
85) sec-Butylbenzene	13.345	105	100396	8.803	ug/l	97
86) p-Isopropyltoluene	13.457	119	80875	8.441	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	46690	9.273	ug/l	96
88) 1,4-Dichlorobenzene	13.534	146	49319	9.923	ug/l	96
89) n-Butylbenzene	13.781	91	75964	8.412	ug/l	98
90) Hexachloroethane	14.051	117	18420	9.370	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	40222	9.276	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2961	10.986	ug/l	76
93) 1,2,4-Trichlorobenzene	15.098	180	21723	8.708	ug/l	94
94) Hexachlorobutadiene	15.204	225	10985	8.757	ug/l	91
95) Naphthalene	15.328	128	44532	9.334	ug/l	96
96) 1,2,3-Trichlorobenzene	15.516	180	20408	9.333	ug/l	99

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

