

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062824\
 Data File : VD079284.D
 Acq On : 28 Jun 2024 15:48
 Operator : RP/MD
 Sample : VSTDICC150
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2024
 Supervised By :Semsettin Yesilyurt 07/01/2024

Quant Time: Jun 29 06:09:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 05:53:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	196492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	346362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	325920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	154923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	275440	151.668	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 303.340%#			
35) Dibromofluoromethane	7.805	113	309785	136.258	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 272.520%#			
50) Toluene-d8	10.269	98	1088680	133.107	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 266.220%#			
62) 4-Bromofluorobenzene	12.569	95	403569	153.874	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 307.740%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	309034	139.150	ug/l	98
3) Chloromethane	2.146	50	450398	133.746	ug/l	98
4) Vinyl Chloride	2.275	62	535552	142.619	ug/l	97
5) Bromomethane	2.658	94	421615	151.640	ug/l	98
6) Chloroethane	2.822	64	361663	135.771	ug/l	98
7) Trichlorofluoromethane	3.164	101	583026	135.735	ug/l	99
8) Diethyl Ether	3.587	74	197909	156.647	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.958	101	369435	138.435	ug/l	94
10) Methyl Iodide	4.158	142	451665	148.804	ug/l	97
11) Tert butyl alcohol	5.058	59	105968	805.983	ug/l #	83
12) 1,1-Dichloroethene	3.934	96	384867	148.984	ug/l	90
13) Acrolein	3.793	56	201683	775.637	ug/l	100
14) Allyl chloride	4.552	41	517018	156.824	ug/l #	85
15) Acrylonitrile	5.246	53	457470	794.424	ug/l	98
16) Acetone	4.017	43	402278	862.604	ug/l	99
17) Carbon Disulfide	4.264	76	1291909	142.360	ug/l	100
18) Methyl Acetate	4.558	43	211236	155.911	ug/l #	87
19) Methyl tert-butyl Ether	5.311	73	862437	162.945	ug/l	98
20) Methylene Chloride	4.793	84	447187	150.441	ug/l	88
21) trans-1,2-Dichloroethene	5.305	96	424330	146.177	ug/l #	85
22) Diisopropyl ether	6.216	45	1066119	148.627	ug/l	94
23) Vinyl Acetate	6.152	43	4396633	809.738	ug/l	93
24) 1,1-Dichloroethane	6.105	63	721142	143.395	ug/l	95
25) 2-Butanone	7.075	43	554058	852.794	ug/l	94
26) 2,2-Dichloropropane	7.069	77	569545	143.452	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	492186	154.768	ug/l	88
28) Bromochloromethane	7.422	49	288753	137.706	ug/l #	73
29) Tetrahydrofuran	7.440	42	334842	829.628	ug/l	86
30) Chloroform	7.593	83	721792	139.132	ug/l	99
31) Cyclohexane	7.875	56	596113	142.717	ug/l	88
32) 1,1,1-Trichloroethane	7.787	97	605048	142.095	ug/l	99
36) 1,1-Dichloropropene	8.005	75	544488	154.148	ug/l	96
37) Ethyl Acetate	7.163	43	234101	174.111	ug/l	97
38) Carbon Tetrachloride	7.987	117	532592	148.476	ug/l	98
39) Methylcyclohexane	9.269	83	702629	169.076	ug/l	92
40) Benzene	8.246	78	1696120	153.910	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	116571	157.728	ug/l	92
42) 1,2-Dichloroethane	8.322	62	389193	146.844	ug/l	97
43) Isopropyl Acetate	8.357	43	427334	164.684	ug/l	95
44) Trichloroethene	9.028	130	376091	149.403	ug/l	87
45) 1,2-Dichloropropane	9.305	63	406810	151.611	ug/l	95
46) Dibromomethane	9.393	93	232005	152.451	ug/l	89
47) Bromodichloromethane	9.581	83	556266	149.368	ug/l	98
48) Methyl methacrylate	9.375	41	204122	174.338	ug/l	87
49) 1,4-Dioxane	9.381	88	51034	3272.560	ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	1156821	856.671	ug/l	100
52) Toluene	10.334	92	1057727	157.659	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	544471	161.892	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	637010	157.858	ug/l	97
55) 1,1,2-Trichloroethane	10.728	97	297053	151.337	ug/l	95
56) Ethyl methacrylate	10.593	69	423111	152.303	ug/l	96
57) 1,3-Dichloropropane	10.875	76	525840	156.691	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	974352	767.463	ug/l	89
59) 2-Hexanone	10.922	43	844287	880.423	ug/l	100
60) Dibromochloromethane	11.069	129	378908	152.929	ug/l	99
61) 1,2-Dibromoethane	11.175	107	284535	158.117	ug/l	97
64) Tetrachloroethene	10.804	164	307852	151.602	ug/l	90
65) Chlorobenzene	11.604	112	1098688	151.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	363908	147.484	ug/l	97
67) Ethyl Benzene	11.681	91	2082037	164.590	ug/l	97
68) m/p-Xylenes	11.793	106	1586104	325.072	ug/l	87
69) o-Xylene	12.116	106	738092	168.392	ug/l	84
70) Styrene	12.134	104	1315081	168.235	ug/l	95
71) Bromoform	12.298	173	204486	152.815	ug/l #	98
73) Isopropylbenzene	12.416	105	1912036	166.023	ug/l	97
74) N-amyl acetate	12.228	43	420551	166.371	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	347489	144.741	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	221117m	143.892	ug/l	
77) Bromobenzene	12.698	156	403094	155.593	ug/l	78
78) n-propylbenzene	12.763	91	2366518	160.508	ug/l	94
79) 2-Chlorotoluene	12.845	91	1307096	158.575	ug/l	92
80) 1,3,5-Trimethylbenzene	12.898	105	1598258	163.911	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	130358	156.021	ug/l	100
82) 4-Chlorotoluene	12.945	91	1360887	157.142	ug/l	92
83) tert-Butylbenzene	13.163	119	1341518	169.841	ug/l	91
84) 1,2,4-Trimethylbenzene	13.210	105	1634853	167.510	ug/l	95
85) sec-Butylbenzene	13.340	105	2079327	165.449	ug/l	96
86) p-Isopropyltoluene	13.457	119	1768659	170.502	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	846134	153.596	ug/l	95
88) 1,4-Dichlorobenzene	13.534	146	819959	149.765	ug/l	97
89) n-Butylbenzene	13.781	91	1688932	165.924	ug/l	96
90) Hexachloroethane	14.051	117	334029	146.398	ug/l	89
91) 1,2-Dichlorobenzene	13.828	146	722169	152.332	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	49397	150.082	ug/l	88
93) 1,2,4-Trichlorobenzene	15.092	180	429533	169.925	ug/l	97
94) Hexachlorobutadiene	15.198	225	215782	153.513	ug/l	96
95) Naphthalene	15.328	128	962617	195.099	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	377047	168.690	ug/l	98

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

