

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090424\
 Data File : VD079772.D
 Acq On : 04 Sep 2024 14:33
 Operator : RP/MD
 Sample : VD0904SBSD01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/05/2024
 Supervised By :Semsettin Yesilyurt 09/05/2024

Quant Time: Sep 04 15:52:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 15:57:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	111702	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	221070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	204369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85247	55.972	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	111.940%	
35) Dibromofluoromethane	7.805	113	76204	53.032	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	106.060%	
50) Toluene-d8	10.269	98	344346	55.876	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	111.760%	
62) 4-Bromofluorobenzene	12.569	95	95249	55.237	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	110.480%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	30032	22.391	ug/l	98
3) Chloromethane	2.146	50	65887	23.580	ug/l	91
4) Vinyl Chloride	2.281	62	79889	23.733	ug/l	98
5) Bromomethane	2.681	94	53335	22.888	ug/l	97
6) Chloroethane	2.834	64	54417	23.845	ug/l	99
7) Trichlorofluoromethane	3.169	101	55337	21.778	ug/l	96
8) Diethyl Ether	3.593	74	17259	21.409	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.969	101	29207	20.528	ug/l	92
10) Methyl Iodide	4.158	142	30737	18.750	ug/l	92
11) Tert butyl alcohol	5.063	59	8057	107.269	ug/l	# 86
12) 1,1-Dichloroethene	3.934	96	32224	21.572	ug/l	89
13) Acrolein	3.799	56	13304	90.855	ug/l	98
14) Allyl chloride	4.558	41	48249	21.924	ug/l	# 85
15) Acrylonitrile	5.258	53	39196	107.822	ug/l	98
16) Acetone	4.022	43	39578	125.223	ug/l	89
17) Carbon Disulfide	4.264	76	118033	21.609	ug/l	98
18) Methyl Acetate	4.564	43	16897	18.651	ug/l	# 86
19) Methyl tert-butyl Ether	5.316	73	66176	20.243	ug/l	93
20) Methylene Chloride	4.799	84	49522	24.718	ug/l	# 81
21) trans-1,2-Dichloroethene	5.311	96	34774	20.975	ug/l	# 86
22) Diisopropyl ether	6.210	45	105792	22.842	ug/l	# 92
23) Vinyl Acetate	6.158	43	296119	119.378	ug/l	# 88
24) 1,1-Dichloroethane	6.110	63	65868	21.748	ug/l	97
25) 2-Butanone	7.081	43	49337	117.009	ug/l	# 85
26) 2,2-Dichloropropane	7.069	77	51559	21.881	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	38890	20.453	ug/l	83
28) Bromochloromethane	7.434	49	29311	21.774	ug/l	# 61
29) Tetrahydrofuran	7.452	42	27763	106.452	ug/l	# 79
30) Chloroform	7.593	83	62727	20.863	ug/l	95
31) Cyclohexane	7.875	56	54023	21.217	ug/l	# 79
32) 1,1,1-Trichloroethane	7.787	97	54958	21.946	ug/l	97
36) 1,1-Dichloropropene	8.010	75	44973	21.116	ug/l	93
37) Ethyl Acetate	7.163	43	19497	20.715	ug/l	98
38) Carbon Tetrachloride	7.993	117	48350	21.286	ug/l	97
39) Methylcyclohexane	9.275	83	50794	19.584	ug/l	91
40) Benzene	8.252	78	147578	20.777	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8956	16.629	ug/l #	92
42) 1,2-Dichloroethane	8.328	62	37969	21.796	ug/l	93
43) Isopropyl Acetate	8.357	43	37119	21.140	ug/l #	93
44) Trichloroethene	9.028	130	30696	20.250	ug/l	83
45) 1,2-Dichloropropane	9.304	63	36135	21.074	ug/l	93
46) Dibromomethane	9.393	93	18743	20.664	ug/l #	82
47) Bromodichloromethane	9.581	83	46925	20.716	ug/l	96
48) Methyl methacrylate	9.381	41	16898	19.938	ug/l	87
49) 1,4-Dioxane	9.387	88	3614	396.587	ug/l #	76
51) 4-Methyl-2-Pentanone	10.157	43	98687	107.598	ug/l	89
52) Toluene	10.334	92	89394	20.809	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	44171	20.685	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	53376	20.984	ug/l	95
55) 1,1,2-Trichloroethane	10.728	97	24701	20.816	ug/l	92
56) Ethyl methacrylate	10.598	69	29446	19.805	ug/l #	78
57) 1,3-Dichloropropane	10.881	76	41651	19.471	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	63300	103.570	ug/l #	87
59) 2-Hexanone	10.916	43	70900	112.198	ug/l	88
60) Dibromochloromethane	11.069	129	28481	19.513	ug/l	96
61) 1,2-Dibromoethane	11.181	107	20489	19.703	ug/l	96
64) Tetrachloroethene	10.810	164	22780	18.976	ug/l	97
65) Chlorobenzene	11.604	112	92522	20.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	29764	19.982	ug/l	95
67) Ethyl Benzene	11.681	91	161739	20.233	ug/l	97
68) m/p-Xylenes	11.793	106	126156	41.113	ug/l	88
69) o-Xylene	12.122	106	56916	19.901	ug/l	86
70) Styrene	12.134	104	104376	20.909	ug/l	96
71) Bromoform	12.298	173	14594	19.537	ug/l #	97
73) Isopropylbenzene	12.416	105	149183	20.539	ug/l	98
74) N-amyl acetate	12.228	43	37361	21.642	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.669	83	28738	20.612	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	17513m	20.078	ug/l	
77) Bromobenzene	12.698	156	32047	19.824	ug/l	80
78) n-propylbenzene	12.763	91	191784	21.368	ug/l	95
79) 2-Chlorotoluene	12.845	91	107908	21.582	ug/l	91
80) 1,3,5-Trimethylbenzene	12.898	105	126719	20.986	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	11097	21.219	ug/l	98
82) 4-Chlorotoluene	12.945	91	113267	21.749	ug/l	94
83) tert-Butylbenzene	13.163	119	102598	20.446	ug/l	91
84) 1,2,4-Trimethylbenzene	13.210	105	130918	21.017	ug/l	97
85) sec-Butylbenzene	13.340	105	162865	21.229	ug/l	96
86) p-Isopropyltoluene	13.457	119	136261	20.922	ug/l	97
87) 1,3-Dichlorobenzene	13.451	146	68980	19.877	ug/l	95
88) 1,4-Dichlorobenzene	13.534	146	69744	20.100	ug/l	95
89) n-Butylbenzene	13.787	91	132848	21.614	ug/l	96
90) Hexachloroethane	14.051	117	26767	20.633	ug/l	84
91) 1,2-Dichlorobenzene	13.828	146	59984	20.184	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.439	75	3616	17.764	ug/l	75
93) 1,2,4-Trichlorobenzene	15.098	180	32289	19.781	ug/l	99
94) Hexachlorobutadiene	15.198	225	16271	20.729	ug/l	94
95) Naphthalene	15.328	128	67528	20.386	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	29001	20.333	ug/l	95

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

