

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078512.D
 Acq On : 22 Feb 2024 12:46
 Operator : RP/MD
 Sample : VD0222SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0222SBS01

Quant Time: Feb 23 01:01:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/23/2024
 Supervised By :Semsettin Yesilyurt 02/23/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	112126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	198996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	188799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	54174	44.685	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.360%		
35) Dibromofluoromethane	7.811	113	57218	45.265	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.540%		
50) Toluene-d8	10.269	98	219106	43.331	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.660%		
62) 4-Bromofluorobenzene	12.575	95	65188	44.301	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	20002	18.105	ug/l	92
3) Chloromethane	2.152	50	37741	18.589	ug/l	93
4) Vinyl Chloride	2.287	62	56497	18.236	ug/l	99
5) Bromomethane	2.687	94	46724	21.849	ug/l	100
6) Chloroethane	2.834	64	46666	20.657	ug/l	98
7) Trichlorofluoromethane	3.170	101	43309	20.723	ug/l	92
8) Diethyl Ether	3.587	74	13738	22.822	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.975	101	27645	20.968	ug/l	94
10) Methyl Iodide	4.164	142	23760	20.121	ug/l #	89
11) Tert butyl alcohol	5.075	59	9062m	135.321	ug/l	
12) 1,1-Dichloroethene	3.946	96	25102	20.536	ug/l	91
13) Acrolein	3.799	56	11382	101.624	ug/l	98
14) Allyl chloride	4.564	41	31704	20.996	ug/l	93
15) Acrylonitrile	5.264	53	31983	124.115	ug/l	98
16) Acetone	4.022	43	34345	134.147	ug/l	97
17) Carbon Disulfide	4.275	76	70021	17.024	ug/l	97
18) Methyl Acetate	4.569	43	12112	16.871	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	59691	22.985	ug/l	99
20) Methylene Chloride	4.811	84	38421	26.525	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	30309	21.078	ug/l	94
22) Diisopropyl ether	6.216	45	75742	22.758	ug/l #	89
23) Vinyl Acetate	6.158	43	201274m	141.470	ug/l	
24) 1,1-Dichloroethane	6.111	63	54859	23.268	ug/l	98
25) 2-Butanone	7.087	43	41704	128.116	ug/l	92
26) 2,2-Dichloropropane	7.075	77	43729	22.125	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	35654	22.599	ug/l	95
28) Bromochloromethane	7.428	49	21464	22.985	ug/l	82
29) Tetrahydrofuran	7.452	42	21948	121.733	ug/l	92
30) Chloroform	7.593	83	58889	23.607	ug/l	96
31) Cyclohexane	7.881	56	36511	17.803	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	47698	22.427	ug/l	99
36) 1,1-Dichloropropene	8.010	75	39250	19.988	ug/l	97
37) Ethyl Acetate	7.181	43	14622	21.242	ug/l	96
38) Carbon Tetrachloride	7.999	117	40021	20.580	ug/l	96
39) Methylcyclohexane	9.275	83	41497	17.801	ug/l #	91
40) Benzene	8.252	78	124957	22.015	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7031	19.626	ug/l #	74
42) 1,2-Dichloroethane	8.328	62	32941	22.430	ug/l	95
43) Isopropyl Acetate	8.363	43	30037	23.564	ug/l	92
44) Trichloroethene	9.034	130	32587	22.504	ug/l	96
45) 1,2-Dichloropropane	9.305	63	31263	22.449	ug/l	93
46) Dibromomethane	9.393	93	17702	22.599	ug/l	94
47) Bromodichloromethane	9.587	83	45433	23.418	ug/l	99
48) Methyl methacrylate	9.381	41	14060	20.791	ug/l #	79
49) 1,4-Dioxane	9.393	88	3714	437.824	ug/l #	86
51) 4-Methyl-2-Pentanone	10.163	43	80106	118.407	ug/l	95
52) Toluene	10.334	92	79226	22.072	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	40798	23.046	ug/l	99
54) cis-1,3-Dichloropropene	10.022	75	49653	23.131	ug/l	91
55) 1,1,2-Trichloroethane	10.734	97	25786	24.445	ug/l	90
56) Ethyl methacrylate	10.599	69	25806	26.451	ug/l	88
57) 1,3-Dichloropropane	10.881	76	43421	24.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.875	63	69972	121.760	ug/l	97
59) 2-Hexanone	10.922	43	63235	124.375	ug/l	89
60) Dibromochloromethane	11.075	129	31879	25.118	ug/l	98
61) 1,2-Dibromoethane	11.181	107	23757	23.989	ug/l	98
64) Tetrachloroethene	10.810	164	25040	20.998	ug/l #	90
65) Chlorobenzene	11.610	112	84483	22.258	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	32534	23.324	ug/l	98
67) Ethyl Benzene	11.687	91	145481	21.392	ug/l	94
68) m/p-Xylenes	11.793	106	114883	43.307	ug/l	92
69) o-Xylene	12.122	106	53345	22.036	ug/l	94
70) Styrene	12.134	104	94974	24.039	ug/l	98
71) Bromoform	12.299	173	17816	24.267	ug/l #	99
73) Isopropylbenzene	12.422	105	135462	20.417	ug/l	96
74) N-amyl acetate	12.234	43	29960	23.869	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.669	83	30373	23.078	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	19198m	22.887	ug/l	
77) Bromobenzene	12.698	156	35235	22.598	ug/l	93
78) n-propylbenzene	12.763	91	173102	20.936	ug/l	94
79) 2-Chlorotoluene	12.851	91	93142	21.033	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	114913	20.859	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	9575	23.697	ug/l	95
82) 4-Chlorotoluene	12.946	91	102636	21.580	ug/l	96
83) tert-Butylbenzene	13.169	119	100270	21.581	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	117605	21.034	ug/l	95
85) sec-Butylbenzene	13.345	105	154239	21.406	ug/l	97
86) p-Isopropyltoluene	13.457	119	124837	20.341	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	73180	21.990	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	72591	22.200	ug/l	97
89) n-Butylbenzene	13.787	91	117644	19.887	ug/l	97
90) Hexachloroethane	14.057	117	26670	21.143	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	63893	22.863	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4099	23.786	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	36000	21.920	ug/l	99
94) Hexachlorobutadiene	15.204	225	17804	20.769	ug/l	98
95) Naphthalene	15.334	128	70605	23.178	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	33381	23.982	ug/l	99

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

