

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031424\
 Data File : VD078659.D
 Acq On : 14 Mar 2024 10:55
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/15/2024
 Supervised By :Semsettin Yesilyurt 03/15/2024

Quant Time: Mar 15 05:25:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:17:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	129110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	215460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	206752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	105645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	26113	21.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.160%#		
35) Dibromofluoromethane	7.805	113	28769	20.738	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.480%#		
50) Toluene-d8	10.269	98	106179	20.812	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	41.620%#		
62) 4-Bromofluorobenzene	12.575	95	32069	21.486	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	42.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	24915	20.734	ug/l	100
3) Chloromethane	2.152	50	40403	21.295	ug/l	96
4) Vinyl Chloride	2.287	62	60256	21.529	ug/l	91
5) Bromomethane	2.687	94	58091	21.677	ug/l	99
6) Chloroethane	2.834	64	47828	21.912	ug/l	98
7) Trichlorofluoromethane	3.175	101	48715	22.001	ug/l	95
8) Diethyl Ether	3.593	74	12680	19.614	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.964	101	28399	20.436	ug/l	98
10) Methyl Iodide	4.164	142	33180	20.185	ug/l	98
11) Tert butyl alcohol	5.052	59	6273	115.846	ug/l #	75
12) 1,1-Dichloroethene	3.946	96	28649	21.687	ug/l #	90
13) Acrolein	3.799	56	10184	120.060	ug/l	100
14) Allyl chloride	4.558	41	30569	20.739	ug/l	98
15) Acrylonitrile	5.258	53	26433	101.426	ug/l	94
16) Acetone	4.028	43	23986	102.515	ug/l	88
17) Carbon Disulfide	4.270	76	93503	21.591	ug/l	97
18) Methyl Acetate	4.570	43	9774	19.465	ug/l	96
19) Methyl tert-butyl Ether	5.317	73	53934	20.245	ug/l	97
20) Methylene Chloride	4.805	84	38398	21.273	ug/l	93
21) trans-1,2-Dichloroethene	5.317	96	32573	20.897	ug/l	96
22) Diisopropyl ether	6.216	45	72651	21.679	ug/l	97
23) Vinyl Acetate	6.158	43	207650	105.928	ug/l	99
24) 1,1-Dichloroethane	6.111	63	52677	20.965	ug/l	99
25) 2-Butanone	7.087	43	32767	105.335	ug/l	91
26) 2,2-Dichloropropane	7.081	77	45158	21.243	ug/l	97
27) cis-1,2-Dichloroethene	7.087	96	37160	20.902	ug/l	98
28) Bromochloromethane	7.422	49	18486	20.637	ug/l	97
29) Tetrahydrofuran	7.446	42	17882	105.689	ug/l	97
30) Chloroform	7.599	83	56592	20.201	ug/l	90
31) Cyclohexane	7.881	56	41408	20.361	ug/l	95
32) 1,1,1-Trichloroethane	7.799	97	49380	20.775	ug/l	99
36) 1,1-Dichloropropene	8.011	75	42885	21.306	ug/l	99
37) Ethyl Acetate	7.175	43	13146	19.992	ug/l	96
38) Carbon Tetrachloride	7.993	117	44558	20.999	ug/l	89
39) Methylcyclohexane	9.275	83	47887	20.509	ug/l	98
40) Benzene	8.252	78	127552	20.964	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	6433m	17.963	ug/l	
42) 1,2-Dichloroethane	8.328	62	31669	21.343	ug/l	100
43) Isopropyl Acetate	8.358	43	24939	20.855	ug/l #	83
44) Trichloroethene	9.028	130	35120	21.269	ug/l	93
45) 1,2-Dichloropropane	9.305	63	29868	20.694	ug/l	96
46) Dibromomethane	9.393	93	17498	20.224	ug/l	98
47) Bromodichloromethane	9.587	83	41601	20.198	ug/l	95
48) Methyl methacrylate	9.381	41	12245	21.015	ug/l	95
49) 1,4-Dioxane	9.387	88	3310	413.186	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	64480	103.140	ug/l	99
52) Toluene	10.334	92	81585	20.827	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	39344	20.892	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	46861	20.699	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	23850	20.585	ug/l	96
56) Ethyl methacrylate	10.593	69	23243	20.011	ug/l	98
57) 1,3-Dichloropropane	10.881	76	39379	21.064	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	47023	91.815	ug/l	99
59) 2-Hexanone	10.922	43	47717	102.962	ug/l	98
60) Dibromochloromethane	11.075	129	29617	20.728	ug/l	95
61) 1,2-Dibromoethane	11.181	107	23602	21.049	ug/l	97
64) Tetrachloroethene	10.810	164	26999	19.733	ug/l	96
65) Chlorobenzene	11.604	112	88197	20.414	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	31282	19.770	ug/l	99
67) Ethyl Benzene	11.681	91	149315	20.281	ug/l	99
68) m/p-Xylenes	11.793	106	122269	40.898	ug/l	98
69) o-Xylene	12.122	106	55946	20.226	ug/l	98
70) Styrene	12.134	104	95557	20.582	ug/l	99
71) Bromoform	12.299	173	17317	20.252	ug/l #	96
73) Isopropylbenzene	12.422	105	142353	20.466	ug/l	100
74) N-amyl acetate	12.234	43	23008	20.373	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	26255	20.390	ug/l	99
76) 1,2,3-Trichloropropane	12.716	75	16246m	20.000	ug/l	
77) Bromobenzene	12.698	156	34826	20.189	ug/l	99
78) n-propylbenzene	12.763	91	176408	20.835	ug/l	100
79) 2-Chlorotoluene	12.851	91	94459	20.337	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	116413	20.239	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	7581	19.524	ug/l	92
82) 4-Chlorotoluene	12.946	91	102598	20.884	ug/l	96
83) tert-Butylbenzene	13.169	119	100027	20.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	117152	20.210	ug/l	97
85) sec-Butylbenzene	13.346	105	154030	20.522	ug/l	98
86) p-Isopropyltoluene	13.457	119	130502	20.311	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	73342	20.148	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	73511	20.491	ug/l	99
89) n-Butylbenzene	13.787	91	118402	20.404	ug/l	98
90) Hexachloroethane	14.051	117	27318	20.547	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	62919	20.069	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3273	19.001	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	35650	19.484	ug/l	97
94) Hexachlorobutadiene	15.204	225	20194	20.386	ug/l	94
95) Naphthalene	15.334	128	59274	18.633	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.522	180	31139	19.672	ug/l	97

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

