

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122623\
 Data File : VD078078.D
 Acq On : 26 Dec 2023 12:31
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Dec 27 03:39:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:06:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	162906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	265261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	236911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	119737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	28568	19.709	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.420%#		
35) Dibromofluoromethane	7.811	113	33279	19.498	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.000%#		
50) Toluene-d8	10.269	98	116200	19.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.700%#		
62) 4-Bromofluorobenzene	12.575	95	36745	19.016	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	27268	19.531	ug/l	97
3) Chloromethane	2.152	50	36493	18.953	ug/l	98
4) Vinyl Chloride	2.287	62	56131	19.341	ug/l	97
5) Bromomethane	2.693	94	44174	18.983	ug/l	99
6) Chloroethane	2.840	64	42001	19.694	ug/l	98
7) Trichlorofluoromethane	3.181	101	54910	19.657	ug/l	94
8) Diethyl Ether	3.599	74	14394	18.791	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.975	101	34364	19.751	ug/l	98
10) Methyl Iodide	4.170	142	29057	17.772	ug/l #	89
11) Tert butyl alcohol	5.052	59	7522	102.161	ug/l	96
12) 1,1-Dichloroethene	3.952	96	28635	18.600	ug/l	85
13) Acrolein	3.805	56	8984	117.681	ug/l	93
14) Allyl chloride	4.564	41	36354	19.537	ug/l	90
15) Acrylonitrile	5.264	53	29542	92.197	ug/l	92
16) Acetone	4.022	43	39398	118.627	ug/l #	81
17) Carbon Disulfide	4.275	76	69275	18.212	ug/l	96
18) Methyl Acetate	4.569	43	19149	16.119	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	62968	18.480	ug/l	99
20) Methylene Chloride	4.805	84	37442	19.113	ug/l	87
21) trans-1,2-Dichloroethene	5.322	96	32516	18.374	ug/l	98
22) Diisopropyl ether	6.222	45	80118	19.276	ug/l	96
23) Vinyl Acetate	6.158	43	157628	99.198	ug/l #	90
24) 1,1-Dichloroethane	6.111	63	58028	18.865	ug/l	96
25) 2-Butanone	7.087	43	44380	108.541	ug/l #	83
26) 2,2-Dichloropropane	7.075	77	51181	18.521	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	38789	18.476	ug/l	92
28) Bromochloromethane	7.428	49	21019	19.100	ug/l	88
29) Tetrahydrofuran	7.452	42	20997	93.576	ug/l	88
30) Chloroform	7.605	83	62937	18.881	ug/l	99
31) Cyclohexane	7.881	56	43453	18.792	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	55763	19.465	ug/l	100
36) 1,1-Dichloropropene	8.011	75	45134	18.794	ug/l	96
37) Ethyl Acetate	7.181	43	13583	17.006	ug/l #	62
38) Carbon Tetrachloride	7.999	117	50066	19.239	ug/l	91
39) Methylcyclohexane	9.281	83	52236	18.972	ug/l	92
40) Benzene	8.258	78	129285	18.678	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	7970m	15.773	ug/l	
42) 1,2-Dichloroethane	8.328	62	35950	19.219	ug/l	95
43) Isopropyl Acetate	8.363	43	29216	18.271	ug/l #	79
44) Trichloroethene	9.034	130	36232	18.195	ug/l	97
45) 1,2-Dichloropropane	9.310	63	31996	18.243	ug/l	96
46) Dibromomethane	9.393	93	18614	18.949	ug/l	96
47) Bromodichloromethane	9.587	83	47717	18.700	ug/l #	99
48) Methyl methacrylate	9.381	41	16090	17.854	ug/l	83
49) 1,4-Dioxane	9.381	88	3577	385.190	ug/l #	92
51) 4-Methyl-2-Pentanone	10.163	43	78873	96.127	ug/l	91
52) Toluene	10.340	92	82605	18.400	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	42168	18.214	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	51189	18.412	ug/l #	89
55) 1,1,2-Trichloroethane	10.740	97	25667	18.567	ug/l #	92
56) Ethyl methacrylate	10.599	69	19190	17.493	ug/l	89
57) 1,3-Dichloropropane	10.881	76	40900	18.008	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.875	63	46840	98.619	ug/l	99
59) 2-Hexanone	10.922	43	62895	98.683	ug/l	93
60) Dibromochloromethane	11.075	129	32570	18.495	ug/l	97
61) 1,2-Dibromoethane	11.181	107	24045	18.143	ug/l	97
64) Tetrachloroethene	10.810	164	29619	18.502	ug/l	96
65) Chlorobenzene	11.610	112	93574	18.592	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	34586	18.156	ug/l	98
67) Ethyl Benzene	11.687	91	164010	18.692	ug/l	96
68) m/p-Xylenes	11.793	106	126168	36.946	ug/l	95
69) o-Xylene	12.128	106	58853	18.491	ug/l	100
70) Styrene	12.134	104	86993	18.512	ug/l	95
71) Bromoform	12.299	173	19032	18.109	ug/l #	100
73) Isopropylbenzene	12.422	105	155062	18.802	ug/l	99
74) N-amyl acetate	12.234	43	26242	19.168	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	28522	19.029	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	20107m	19.904	ug/l	
77) Bromobenzene	12.704	156	38320	19.100	ug/l	94
78) n-propylbenzene	12.763	91	188303	18.969	ug/l	98
79) 2-Chlorotoluene	12.851	91	102595	19.108	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	127749	18.728	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	8741	18.645	ug/l	94
82) 4-Chlorotoluene	12.946	91	107115	18.607	ug/l	95
83) tert-Butylbenzene	13.169	119	113921	18.644	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	126406	18.194	ug/l	98
85) sec-Butylbenzene	13.345	105	166566	19.094	ug/l	99
86) p-Isopropyltoluene	13.463	119	146866	18.812	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	74733	18.004	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	75599	18.570	ug/l	95
89) n-Butylbenzene	13.787	91	136066	18.988	ug/l	99
90) Hexachloroethane	14.051	117	29937	19.181	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	64803	18.178	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3618	17.235	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	40700	17.487	ug/l	98
94) Hexachlorobutadiene	15.198	225	24223	18.524	ug/l	99
95) Naphthalene	15.328	128	69222	17.470	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	36176	18.318	ug/l	97

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

