

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050124\
 Data File : VD078857.D
 Acq On : 01 May 2024 12:17
 Operator : RP/MD
 Sample : VSTDICC010
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/02/2024
 Supervised By :Semsettin Yesilyurt 05/02/2024

Quant Time: May 02 07:37:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050124S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:30:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	120258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	213468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	202320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	100701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	14705	11.017	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.040%#		
35) Dibromofluoromethane	7.810	113	14923	9.521	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.040%#		
50) Toluene-d8	10.269	98	55232	9.182	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.360%#		
62) 4-Bromofluorobenzene	12.569	95	15556	9.037	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.080%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	14274	10.500	ug/l	95
3) Chloromethane	2.146	50	21588	10.685	ug/l	99
4) Vinyl Chloride	2.287	62	29384	10.019	ug/l	98
5) Bromomethane	2.693	94	29812	10.187	ug/l	92
6) Chloroethane	2.834	64	23326	9.654	ug/l	98
7) Trichlorofluoromethane	3.175	101	22855	9.575	ug/l #	81
8) Diethyl Ether	3.593	74	6536	10.042	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.964	101	14314	9.981	ug/l	98
10) Methyl Iodide	4.164	142	11140	8.113	ug/l	91
11) Tert butyl alcohol	5.058	59	3091	50.554	ug/l #	75
12) 1,1-Dichloroethene	3.946	96	12813	9.011	ug/l	93
13) Acrolein	3.805	56	5686	48.149	ug/l	91
14) Allyl chloride	4.564	41	13737	9.624	ug/l	97
15) Acrylonitrile	5.252	53	11975	46.220	ug/l	94
16) Acetone	4.022	43	9563	48.043	ug/l	99
17) Carbon Disulfide	4.281	76	45073	9.586	ug/l #	94
18) Methyl Acetate	4.569	43	5191	10.520	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	24091	8.953	ug/l #	89
20) Methylene Chloride	4.805	84	19516	9.814	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	14867	9.325	ug/l	90
22) Diisopropyl ether	6.222	45	28728	9.102	ug/l	92
23) Vinyl Acetate	6.158	43	85984	45.190	ug/l	98
24) 1,1-Dichloroethane	6.111	63	25338	9.972	ug/l	96
25) 2-Butanone	7.087	43	13303	47.656	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	20831	9.716	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	16794	9.222	ug/l	98
28) Bromochloromethane	7.428	49	9633	10.076	ug/l	95
29) Tetrahydrofuran	7.446	42	7614	46.614	ug/l	94
30) Chloroform	7.599	83	27375	9.654	ug/l	94
31) Cyclohexane	7.881	56	19018	9.597	ug/l #	89
32) 1,1,1-Trichloroethane	7.793	97	22775	9.523	ug/l	98
36) 1,1-Dichloropropene	8.016	75	16962	8.414	ug/l	98
37) Ethyl Acetate	7.163	43	5211	7.815	ug/l #	95
38) Carbon Tetrachloride	7.993	117	20213	8.710	ug/l	97
39) Methylcyclohexane	9.275	83	20736	8.348	ug/l	97
40) Benzene	8.252	78	58612	8.878	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	2553	7.753	ug/l #	79
42) 1,2-Dichloroethane	8.328	62	14340	9.200	ug/l	94
43) Isopropyl Acetate	8.363	43	10833	8.882	ug/l #	68
44) Trichloroethene	9.028	130	14622	8.792	ug/l	92
45) 1,2-Dichloropropane	9.299	63	13741	9.490	ug/l	100
46) Dibromomethane	9.399	93	8371	9.081	ug/l	97
47) Bromodichloromethane	9.587	83	20345	8.914	ug/l	92
48) Methyl methacrylate	9.381	41	5075	8.877	ug/l	94
49) 1,4-Dioxane	9.393	88	1333	158.469	ug/l #	85
51) 4-Methyl-2-Pentanone	10.163	43	29433	45.063	ug/l	98
52) Toluene	10.334	92	34793	8.390	ug/l	91
53) t-1,3-Dichloropropene	10.557	75	16652	8.701	ug/l	90
54) cis-1,3-Dichloropropene	10.016	75	20333	8.796	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	10801	9.034	ug/l #	83
56) Ethyl methacrylate	10.604	69	9381	7.636	ug/l	92
57) 1,3-Dichloropropane	10.881	76	16582	8.770	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.875	63	22864	42.623	ug/l	99
59) 2-Hexanone	10.922	43	20604	44.553	ug/l	94
60) Dibromochloromethane	11.075	129	14572	8.992	ug/l	100
61) 1,2-Dibromoethane	11.181	107	10504	9.473	ug/l	94
64) Tetrachloroethene	10.810	164	12277	8.896	ug/l	96
65) Chlorobenzene	11.610	112	40287	8.677	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	14319	8.819	ug/l	97
67) Ethyl Benzene	11.687	91	62170	8.186	ug/l	98
68) m/p-Xylenes	11.793	106	49908	16.230	ug/l	100
69) o-Xylene	12.122	106	21795	7.752	ug/l	94
70) Styrene	12.134	104	39571	8.005	ug/l	98
71) Bromoform	12.298	173	7685	8.742	ug/l #	100
73) Isopropylbenzene	12.422	105	55610	8.192	ug/l	96
74) N-amyl acetate	12.234	43	10277	9.102	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	12794	10.060	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	8134m	9.700	ug/l	
77) Bromobenzene	12.704	156	15997	9.173	ug/l	97
78) n-propylbenzene	12.763	91	69868	8.493	ug/l	99
79) 2-Chlorotoluene	12.851	91	40068	8.727	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	46415	8.234	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	4057	9.462	ug/l	92
82) 4-Chlorotoluene	12.945	91	43440	8.872	ug/l	98
83) tert-Butylbenzene	13.163	119	37527	7.735	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	46666	8.088	ug/l	99
85) sec-Butylbenzene	13.345	105	60770	8.248	ug/l	100
86) p-Isopropyltoluene	13.457	119	52107	8.161	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	32333	8.853	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	32403	8.962	ug/l	96
89) n-Butylbenzene	13.787	91	47573	8.358	ug/l	97
90) Hexachloroethane	14.051	117	12691	9.291	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	27822	8.901	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1784	10.303	ug/l	78
93) 1,2,4-Trichlorobenzene	15.098	180	15001	8.639	ug/l	96
94) Hexachlorobutadiene	15.204	225	7344	8.256	ug/l	95
95) Naphthalene	15.328	128	25541	8.164	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.516	180	13096	8.513	ug/l	95

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

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