

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071423\
 Data File : VD076742.D
 Acq On : 14 Jul 2023 15:57
 Operator : KP/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Jul 17 07:43:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 07:40:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	164286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	313383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	284998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	129052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	9106	5.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.120%#		
35) Dibromofluoromethane	7.799	113	10432	5.297	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.600%#		
50) Toluene-d8	10.263	98	36113	5.126	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.260%#		
62) 4-Bromofluorobenzene	12.575	95	11178	4.905	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.800%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	6104	4.751	ug/l	98
3) Chloromethane	2.146	50	12548	5.662	ug/l	98
4) Vinyl Chloride	2.276	62	15745	5.330	ug/l	89
5) Bromomethane	2.681	94	14235	5.857	ug/l	89
6) Chloroethane	2.828	64	12035	5.396	ug/l	98
7) Trichlorofluoromethane	3.170	101	13260	5.044	ug/l	88
8) Diethyl Ether	3.587	74	4472	4.941	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.952	101	8560	4.954	ug/l	97
10) Methyl Iodide	4.158	142	7656	3.931	ug/l	91
11) Tert butyl alcohol	5.069	59	2966m	24.290	ug/l	
12) 1,1-Dichloroethene	3.934	96	8341	5.138	ug/l #	89
13) Acrolein	3.805	56	2181	26.211	ug/l	97
14) Allyl chloride	4.546	41	11262	5.281	ug/l	90
15) Acrylonitrile	5.246	53	11700	26.321	ug/l #	90
16) Acetone	4.022	43	11548	29.550	ug/l	89
17) Carbon Disulfide	4.264	76	18169	4.792	ug/l	97
18) Methyl Acetate	4.558	43	7737	5.270	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	21409	4.918	ug/l #	88
20) Methylene Chloride	4.787	84	34872	5.902	ug/l	96
21) trans-1,2-Dichloroethene	5.299	96	9374	4.968	ug/l	96
22) Diisopropyl ether	6.222	45	25240	4.998	ug/l #	86
23) Vinyl Acetate	6.158	43	62174	24.883	ug/l	93
24) 1,1-Dichloroethane	6.105	63	17580	5.163	ug/l	94
25) 2-Butanone	7.081	43	13290	25.410	ug/l	88
26) 2,2-Dichloropropane	7.075	77	14794	5.040	ug/l	89
27) cis-1,2-Dichloroethene	7.081	96	11552	4.966	ug/l	88
28) Bromochloromethane	7.422	49	4951	5.816	ug/l #	98
29) Tetrahydrofuran	7.446	42	7981	25.827	ug/l	92
30) Chloroform	7.599	83	19811	5.312	ug/l #	79
31) Cyclohexane	7.875	56	14232	5.910	ug/l #	83
32) 1,1,1-Trichloroethane	7.793	97	14282	4.747	ug/l	94
36) 1,1-Dichloropropene	8.011	75	12016	4.669	ug/l	96
37) Ethyl Acetate	7.163	43	5463	4.747	ug/l #	89
38) Carbon Tetrachloride	7.993	117	10856	4.406	ug/l	85
39) Methylcyclohexane	9.269	83	13312	4.480	ug/l	91
40) Benzene	8.246	78	39797	4.901	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	4208	5.988	ug/l #	17
42) 1,2-Dichloroethane	8.316	62	10619	5.033	ug/l	97
43) Isopropyl Acetate	8.363	43	11497	5.119	ug/l #	81
44) Trichloroethene	9.022	130	10675	4.825	ug/l	92
45) 1,2-Dichloropropane	9.299	63	9968	4.756	ug/l	98
46) Dibromomethane	9.393	93	5749	4.686	ug/l	89
47) Bromodichloromethane	9.581	83	15343	4.984	ug/l #	96
48) Methyl methacrylate	9.375	41	5067	4.957	ug/l #	82
49) 1,4-Dioxane	9.381	88	1670	106.244	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	29001	24.252	ug/l	91
52) Toluene	10.334	92	25679	4.815	ug/l	90
53) t-1,3-Dichloropropene	10.557	75	13318	4.661	ug/l	90
54) cis-1,3-Dichloropropene	10.016	75	15486	4.598	ug/l #	78
55) 1,1,2-Trichloroethane	10.728	97	8716	4.865	ug/l #	90
56) Ethyl methacrylate	10.599	69	9019	4.362	ug/l #	75
57) 1,3-Dichloropropane	10.881	76	14463	4.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	20596	25.733	ug/l	97
59) 2-Hexanone	10.922	43	21058	24.679	ug/l	90
60) Dibromochloromethane	11.075	129	9764	4.692	ug/l	91
61) 1,2-Dibromoethane	11.175	107	7964	4.795	ug/l	99
64) Tetrachloroethene	10.810	164	7724	4.753	ug/l	95
65) Chlorobenzene	11.610	112	27515	4.800	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	10233	4.795	ug/l	95
67) Ethyl Benzene	11.681	91	46160	4.586	ug/l	97
68) m/p-Xylenes	11.793	106	33741	8.727	ug/l	86
69) o-Xylene	12.116	106	16785	4.490	ug/l	87
70) Styrene	12.134	104	28743	4.392	ug/l	96
71) Bromoform	12.304	173	5250	4.492	ug/l #	98
73) Isopropylbenzene	12.422	105	45433	4.852	ug/l	94
74) N-amyl acetate	12.234	43	10406	5.276	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.669	83	10594	5.270	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	5545m	4.324	ug/l	
77) Bromobenzene	12.698	156	10636	4.921	ug/l	86
78) n-propylbenzene	12.763	91	53417	4.706	ug/l	95
79) 2-Chlorotoluene	12.851	91	29947	4.812	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	34084	4.502	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	2596	4.502	ug/l	95
82) 4-Chlorotoluene	12.946	91	30363	4.670	ug/l	99
83) tert-Butylbenzene	13.169	119	28864	4.330	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	34826	4.501	ug/l	94
85) sec-Butylbenzene	13.345	105	45939	4.511	ug/l	97
86) p-Isopropyltoluene	13.463	119	35479	4.218	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	20611	4.637	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	21541	4.946	ug/l	87
89) n-Butylbenzene	13.787	91	37378	4.541	ug/l	95
90) Hexachloroethane	14.051	117	6886	4.428	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	19623	5.010	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1724	6.015	ug/l	81
93) 1,2,4-Trichlorobenzene	15.092	180	11843	4.952	ug/l	93
94) Hexachlorobutadiene	15.198	225	6041	5.253	ug/l	88
95) Naphthalene	15.328	128	24618	4.755	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	10995	5.124	ug/l	94

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

