

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101123\
 Data File : VD077309.D
 Acq On : 11 Oct 2023 16:44
 Operator : JC/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/16/2023
 Supervised By :Semsettin Yesilyurt 10/16/2023

Quant Time: Oct 12 08:57:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 04:48:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	230794	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	433159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	392645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	181242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	20070	10.869	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.740%#		
35) Dibromofluoromethane	7.805	113	25289	10.990	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.980%#		
50) Toluene-d8	10.269	98	75764	10.014	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.020%#		
62) 4-Bromofluorobenzene	12.575	95	25445	10.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.020%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	22861	10.663	ug/l	93
3) Chloromethane	2.146	50	36786	10.835	ug/l	95
4) Vinyl Chloride	2.281	62	37431	10.106	ug/l	98
5) Bromomethane	2.687	94	23083	8.862	ug/l	99
6) Chloroethane	2.834	64	21609	8.838	ug/l	97
7) Trichlorofluoromethane	3.170	101	31107	8.121	ug/l	91
8) Diethyl Ether	3.587	74	11328	8.485	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.970	101	28530	10.345	ug/l	96
10) Methyl Iodide	4.158	142	30792	9.039	ug/l #	87
11) Tert butyl alcohol	5.052	59	7234	51.760	ug/l	98
12) 1,1-Dichloroethene	3.934	96	26216	9.845	ug/l	92
13) Acrolein	3.799	56	4944	30.336	ug/l #	52
14) Allyl chloride	4.564	41	36259	9.902	ug/l #	92
15) Acrylonitrile	5.252	53	33325	50.710	ug/l	95
16) Acetone	4.028	43	29686	51.952	ug/l #	86
17) Carbon Disulfide	4.270	76	75646	9.413	ug/l	96
18) Methyl Acetate	4.570	43	21435	9.437	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	56085	9.437	ug/l	99
20) Methylene Chloride	4.799	84	95963	16.741	ug/l	92
21) trans-1,2-Dichloroethene	5.317	96	30955	9.735	ug/l	94
22) Diisopropyl ether	6.216	45	80105	9.658	ug/l	93
23) Vinyl Acetate	6.152	43	182991	47.076	ug/l #	88
24) 1,1-Dichloroethane	6.111	63	56206	10.191	ug/l	97
25) 2-Butanone	7.087	43	38282	50.291	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	45316	10.218	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	36020	10.120	ug/l	93
28) Bromochloromethane	7.428	49	22301	10.216	ug/l #	71
29) Tetrahydrofuran	7.446	42	21122	46.510	ug/l	89
30) Chloroform	7.599	83	58399	10.333	ug/l	96
31) Cyclohexane	7.875	56	42899	9.783	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	45825	10.112	ug/l	99
36) 1,1-Dichloropropene	8.005	75	39549	9.481	ug/l	96
37) Ethyl Acetate	7.175	43	17111	9.777	ug/l	95
38) Carbon Tetrachloride	7.987	117	37285	9.853	ug/l	87
39) Methylcyclohexane	9.275	83	40513	8.618	ug/l	92
40) Benzene	8.252	78	129931	10.096	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8889	9.404	ug/l #	82
42) 1,2-Dichloroethane	8.322	62	32501	10.506	ug/l	95
43) Isopropyl Acetate	8.358	43	30445	9.817	ug/l #	92
44) Trichloroethene	9.028	130	30478	9.664	ug/l	79
45) 1,2-Dichloropropane	9.305	63	34110	10.305	ug/l	98
46) Dibromomethane	9.393	93	16603	9.570	ug/l	92
47) Bromodichloromethane	9.581	83	43455	10.216	ug/l #	92
48) Methyl methacrylate	9.387	41	11635	8.144	ug/l	88
49) 1,4-Dioxane	9.381	88	3308	186.818	ug/l #	90
51) 4-Methyl-2-Pentanone	10.157	43	79137	48.823	ug/l	88
52) Toluene	10.334	92	73852	9.402	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	37470	9.395	ug/l	90
54) cis-1,3-Dichloropropene	10.016	75	47353	9.574	ug/l #	94
55) 1,1,2-Trichloroethane	10.734	97	23268	9.867	ug/l	94
56) Ethyl methacrylate	10.599	69	24500	9.652	ug/l	92
57) 1,3-Dichloropropane	10.881	76	41351	10.155	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	61996	51.604	ug/l	93
59) 2-Hexanone	10.922	43	54770	47.779	ug/l	87
60) Dibromochloromethane	11.075	129	26299	9.765	ug/l	92
61) 1,2-Dibromoethane	11.175	107	20118	9.347	ug/l	89
64) Tetrachloroethene	10.810	164	26189	10.448	ug/l	90
65) Chlorobenzene	11.604	112	83750	10.256	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	28804	10.000	ug/l	98
67) Ethyl Benzene	11.681	91	134293	9.216	ug/l	100
68) m/p-Xylenes	11.793	106	108071	19.270	ug/l	92
69) o-Xylene	12.122	106	47495	9.149	ug/l	86
70) Styrene	12.134	104	83323	9.263	ug/l	97
71) Bromoform	12.299	173	15098	10.328	ug/l #	96
73) Isopropylbenzene	12.422	105	121033	9.042	ug/l	98
74) N-amyl acetate	12.234	43	27074	9.619	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	27504	10.239	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	21343m	10.718	ug/l	
77) Bromobenzene	12.704	156	30530	9.969	ug/l	85
78) n-propylbenzene	12.763	91	157603	9.286	ug/l	95
79) 2-Chlorotoluene	12.851	91	86918	9.499	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	105393	9.449	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	8109	9.710	ug/l	99
82) 4-Chlorotoluene	12.946	91	94368	9.762	ug/l	94
83) tert-Butylbenzene	13.169	119	85900	9.220	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	101348	9.071	ug/l	95
85) sec-Butylbenzene	13.346	105	133493	9.188	ug/l	95
86) p-Isopropyltoluene	13.463	119	109092	9.139	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	62755	9.771	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	63946	10.080	ug/l	94
89) n-Butylbenzene	13.787	91	105579	9.046	ug/l	97
90) Hexachloroethane	14.057	117	22977	9.762	ug/l	83
91) 1,2-Dichlorobenzene	13.834	146	55392	9.980	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3447	9.805	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	30960	9.248	ug/l	99
94) Hexachlorobutadiene	15.204	225	16353	9.771	ug/l	99
95) Naphthalene	15.334	128	59894	9.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	27787	9.393	ug/l	99

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

