

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077162.D
 Acq On : 20 Sep 2023 11:39
 Operator : JC/SY
 Sample : VD0920SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Quant Time: Sep 21 02:22:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/21/2023
 Supervised By :Semsettin Yesilyurt 09/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	197373	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	341024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	323630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	164987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	105731	53.080	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.160%			
35) Dibromofluoromethane	7.804	113	122194	51.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.180%			
50) Toluene-d8	10.269	98	436880	51.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.569	95	129729	49.643	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.280%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	49215	24.129	ug/l	99
3) Chloromethane	2.146	50	85082	22.566	ug/l	97
4) Vinyl Chloride	2.281	62	88127	21.850	ug/l	100
5) Bromomethane	2.687	94	69155	23.542	ug/l	99
6) Chloroethane	2.834	64	60439	24.083	ug/l	98
7) Trichlorofluoromethane	3.169	101	88124	24.174	ug/l	97
8) Diethyl Ether	3.593	74	25615	21.771	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	50192	22.022	ug/l	97
10) Methyl Iodide	4.164	142	60479	18.565	ug/l	# 89
11) Tert butyl alcohol	5.034	59	14890	131.109	ug/l	# 91
12) 1,1-Dichloroethene	3.934	96	48005	20.908	ug/l	96
13) Acrolein	3.805	56	13218	165.374	ug/l	89
14) Allyl chloride	4.558	41	57268	20.444	ug/l	95
15) Acrylonitrile	5.258	53	55094	111.670	ug/l	99
16) Acetone	4.016	43	50604	111.155	ug/l	# 81
17) Carbon Disulfide	4.269	76	155021	20.510	ug/l	100
18) Methyl Acetate	4.558	43	39835	23.140	ug/l	95
19) Methyl tert-butyl Ether	5.311	73	106923	21.521	ug/l	96
20) Methylene Chloride	4.793	84	83700	25.308	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	56739	20.443	ug/l	98
22) Diisopropyl ether	6.216	45	134350	21.213	ug/l	95
23) Vinyl Acetate	6.152	43	271052m	107.049	ug/l	
24) 1,1-Dichloroethane	6.110	63	93882	20.653	ug/l	95
25) 2-Butanone	7.075	43	69695	116.364	ug/l	91
26) 2,2-Dichloropropane	7.069	77	82886	21.481	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	63204	20.257	ug/l	95
28) Bromochloromethane	7.422	49	30758	22.035	ug/l	88
29) Tetrahydrofuran	7.446	42	40218	114.865	ug/l	90
30) Chloroform	7.593	83	103712	21.170	ug/l	95
31) Cyclohexane	7.875	56	72016	20.666	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	90122	22.038	ug/l	98
36) 1,1-Dichloropropene	8.010	75	73898	20.715	ug/l	99
37) Ethyl Acetate	7.163	43	31570	23.066	ug/l	95
38) Carbon Tetrachloride	7.987	117	73647	21.005	ug/l	99
39) Methylcyclohexane	9.275	83	80289	19.561	ug/l	98
40) Benzene	8.246	78	227838	20.643	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	17267	23.637	ug/l	87
42) 1,2-Dichloroethane	8.328	62	60852	22.238	ug/l	99
43) Isopropyl Acetate	8.363	43	56177	22.293	ug/l #	80
44) Trichloroethene	9.028	130	62088	20.325	ug/l	96
45) 1,2-Dichloropropane	9.304	63	54433	20.305	ug/l #	86
46) Dibromomethane	9.393	93	33942	21.789	ug/l	94
47) Bromodichloromethane	9.581	83	78062	20.737	ug/l	99
48) Methyl methacrylate	9.381	41	24754	21.618	ug/l	83
49) 1,4-Dioxane	9.387	88	5981	425.354	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	144734	109.821	ug/l	94
52) Toluene	10.328	92	144313	20.439	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	73898	21.012	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	85706	20.340	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	45357	21.407	ug/l	93
56) Ethyl methacrylate	10.598	69	47512	20.873	ug/l	92
57) 1,3-Dichloropropane	10.881	76	72059	21.009	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	71228	81.439	ug/l	99
59) 2-Hexanone	10.922	43	102931	108.853	ug/l	88
60) Dibromochloromethane	11.075	129	53302	20.540	ug/l	92
61) 1,2-Dibromoethane	11.175	107	44300	21.628	ug/l	99
64) Tetrachloroethene	10.810	164	52080	20.683	ug/l	94
65) Chlorobenzene	11.604	112	155320	20.402	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	58392	20.965	ug/l	97
67) Ethyl Benzene	11.681	91	260988	19.944	ug/l	96
68) m/p-Xylenes	11.793	106	210861	40.244	ug/l	93
69) o-Xylene	12.122	106	93386	19.419	ug/l	93
70) Styrene	12.134	104	166352	20.304	ug/l	98
71) Bromoform	12.298	173	33316	21.579	ug/l #	97
73) Isopropylbenzene	12.422	105	242636	19.903	ug/l	97
74) N-amyl acetate	12.234	43	47830	20.886	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	53783	23.378	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	32351m	24.582	ug/l	
77) Bromobenzene	12.698	156	62315	20.529	ug/l	94
78) n-propylbenzene	12.763	91	302912	20.328	ug/l	96
79) 2-Chlorotoluene	12.851	91	165752	20.171	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	205487	20.183	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	15297	22.001	ug/l	94
82) 4-Chlorotoluene	12.945	91	174077	20.156	ug/l	95
83) tert-Butylbenzene	13.169	119	172817	19.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	207183	20.068	ug/l	95
85) sec-Butylbenzene	13.345	105	259414	19.875	ug/l	97
86) p-Isopropyltoluene	13.463	119	215245	19.439	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	123807	19.832	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	125778	20.478	ug/l	98
89) n-Butylbenzene	13.787	91	197924	19.376	ug/l	97
90) Hexachloroethane	14.051	117	43736	19.916	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	106283	19.857	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	8001	26.046	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	62025	18.783	ug/l	99
94) Hexachlorobutadiene	15.204	225	32732	18.705	ug/l	96
95) Naphthalene	15.334	128	118552	19.578	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	57196	19.486	ug/l	98

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

