

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102323\
 Data File : VD077378.D
 Acq On : 23 Oct 2023 12:14
 Operator : JC/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2023
 Supervised By : Semsettin Yesilyurt 10/24/2023

Quant Time: Oct 23 23:38:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	180550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	312599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	289620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	150316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74589	46.265	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.540%		
35) Dibromofluoromethane	7.805	113	90712	41.305	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.620%		
50) Toluene-d8	10.269	98	325987	41.447	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	82.900%		
62) 4-Bromofluorobenzene	12.575	95	93937	41.491	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	35141	20.935	ug/l	99
3) Chloromethane	2.152	50	72284	21.147	ug/l	99
4) Vinyl Chloride	2.287	62	93913	23.259	ug/l	99
5) Bromomethane	2.693	94	61096	23.547	ug/l	100
6) Chloroethane	2.840	64	68189	24.024	ug/l	97
7) Trichlorofluoromethane	3.181	101	107590	26.267	ug/l	99
8) Diethyl Ether	3.599	74	19292	17.573	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.969	101	41997	19.818	ug/l	99
10) Methyl Iodide	4.169	142	42107	16.239	ug/l #	90
11) Tert butyl alcohol	5.064	59	8841m	97.483	ug/l	
12) 1,1-Dichloroethene	3.946	96	38948	18.735	ug/l	92
13) Acrolein	3.799	56	15527	98.626	ug/l	91
14) Allyl chloride	4.564	41	41938	21.262	ug/l	98
15) Acrylonitrile	5.264	53	41052	123.397	ug/l	98
16) Acetone	4.022	43	37806	106.937	ug/l	87
17) Carbon Disulfide	4.275	76	124394	20.355	ug/l #	95
18) Methyl Acetate	4.564	43	29065	23.622	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	76997	21.746	ug/l	99
20) Methylene Chloride	4.799	84	52724	21.966	ug/l	96
21) trans-1,2-Dichloroethene	5.316	96	47193	21.827	ug/l	98
22) Diisopropyl ether	6.216	45	95150	24.574	ug/l	95
23) Vinyl Acetate	6.158	43	228883	126.139	ug/l	98
24) 1,1-Dichloroethane	6.116	63	78430	24.363	ug/l	97
25) 2-Butanone	7.087	43	43920	119.760	ug/l	90
26) 2,2-Dichloropropane	7.075	77	65639	22.362	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	52216	21.538	ug/l	99
28) Bromochloromethane	7.428	49	28692	24.399	ug/l	93
29) Tetrahydrofuran	7.446	42	26574	125.615	ug/l	97
30) Chloroform	7.599	83	86223	23.344	ug/l	96
31) Cyclohexane	7.875	56	58375	23.272	ug/l	90
32) 1,1,1-Trichloroethane	7.793	97	71115	22.317	ug/l	96
36) 1,1-Dichloropropene	8.005	75	60519	20.972	ug/l	97
37) Ethyl Acetate	7.169	43	20744	22.885	ug/l	98
38) Carbon Tetrachloride	7.993	117	64469	20.083	ug/l	99
39) Methylcyclohexane	9.275	83	64812	18.484	ug/l	94
40) Benzene	8.252	78	184180	21.032	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8535	19.730	ug/l #	72
42) 1,2-Dichloroethane	8.328	62	47498	23.027	ug/l	97
43) Isopropyl Acetate	8.357	43	37352	22.890	ug/l	98
44) Trichloroethene	9.028	130	49870	19.478	ug/l	80
45) 1,2-Dichloropropane	9.310	63	45070	22.327	ug/l	97
46) Dibromomethane	9.393	93	27393	21.706	ug/l	91
47) Bromodichloromethane	9.587	83	65604	21.800	ug/l	98
48) Methyl methacrylate	9.375	41	17677	23.946	ug/l #	83
49) 1,4-Dioxane	9.387	88	5328	450.802	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	95909	117.247	ug/l	95
52) Toluene	10.334	92	120393	21.056	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	59225	21.925	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	69643	21.072	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	38024	21.753	ug/l	91
56) Ethyl methacrylate	10.599	69	33447	20.022	ug/l	96
57) 1,3-Dichloropropane	10.881	76	59888	22.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	90415	109.447	ug/l	98
59) 2-Hexanone	10.922	43	70794	120.499	ug/l	92
60) Dibromochloromethane	11.075	129	44056	19.739	ug/l	96
61) 1,2-Dibromoethane	11.181	107	34327	20.841	ug/l	97
64) Tetrachloroethene	10.810	164	39086	18.157	ug/l	94
65) Chlorobenzene	11.610	112	125922	19.947	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	46926	19.555	ug/l	99
67) Ethyl Benzene	11.687	91	209059	19.978	ug/l	95
68) m/p-Xylenes	11.793	106	171643	39.943	ug/l	93
69) o-Xylene	12.122	106	74432	18.816	ug/l	91
70) Styrene	12.134	104	137649	20.395	ug/l	100
71) Bromoform	12.298	173	26598	20.219	ug/l #	96
73) Isopropylbenzene	12.422	105	197707	19.885	ug/l	96
74) N-amyl acetate	12.234	43	33908	23.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	42833	23.707	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	26569m	15.046	ug/l	
77) Bromobenzene	12.698	156	50422	19.317	ug/l	95
78) n-propylbenzene	12.763	91	249077	20.801	ug/l	98
79) 2-Chlorotoluene	12.851	91	135108	20.716	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	165976	20.229	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	12933	23.054	ug/l	93
82) 4-Chlorotoluene	12.945	91	145120	21.372	ug/l	97
83) tert-Butylbenzene	13.169	119	139511	19.179	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	165909	20.084	ug/l	99
85) sec-Butylbenzene	13.345	105	219150	20.020	ug/l	95
86) p-Isopropyltoluene	13.463	119	180232	18.953	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	108903	19.825	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	106113	19.493	ug/l	97
89) n-Butylbenzene	13.787	91	168186	20.311	ug/l	97
90) Hexachloroethane	14.051	117	40786	21.218	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	94309	20.324	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5670	25.640	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	52284	18.084	ug/l	96
94) Hexachlorobutadiene	15.204	225	28255	17.208	ug/l	100
95) Naphthalene	15.334	128	92024	18.851	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	46004	18.332	ug/l	100

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

