

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077391.D
 Acq On : 24 Oct 2023 13:23
 Operator : JC/SY
 Sample : VD1024SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 25 04:03:46 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	172245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	297623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	285581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	144321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69511	45.194	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.380%		
35) Dibromofluoromethane	7.805	113	84059	40.202	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.400%		
50) Toluene-d8	10.269	98	302957	40.457	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	80.920%		
62) 4-Bromofluorobenzene	12.575	95	88368	40.995	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	38163	23.832	ug/l	96
3) Chloromethane	2.146	50	76853	23.568	ug/l	99
4) Vinyl Chloride	2.287	62	97845	25.402	ug/l	97
5) Bromomethane	2.687	94	69947	28.258	ug/l	100
6) Chloroethane	2.840	64	64641	23.872	ug/l	98
7) Trichlorofluoromethane	3.175	101	98283	25.152	ug/l	97
8) Diethyl Ether	3.593	74	24360	23.260	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.969	101	43787	21.659	ug/l	99
10) Methyl Iodide	4.164	142	49649	20.071	ug/l #	91
11) Tert butyl alcohol	5.040	59	12303	142.197	ug/l #	89
12) 1,1-Dichloroethene	3.934	96	42486	21.423	ug/l	91
13) Acrolein	3.799	56	15867	105.645	ug/l	88
14) Allyl chloride	4.564	41	42838	22.766	ug/l	98
15) Acrylonitrile	5.252	53	41111	129.533	ug/l	98
16) Acetone	4.016	43	37556	111.351	ug/l #	84
17) Carbon Disulfide	4.275	76	128701	22.076	ug/l	97
18) Methyl Acetate	4.564	43	26893	22.911	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	83193	24.628	ug/l	96
20) Methylene Chloride	4.799	84	66343	30.654	ug/l	93
21) trans-1,2-Dichloroethene	5.311	96	48759	23.638	ug/l	97
22) Diisopropyl ether	6.216	45	101728	27.540	ug/l	95
23) Vinyl Acetate	6.158	43	231442m	133.699	ug/l	
24) 1,1-Dichloroethane	6.110	63	79320	25.827	ug/l	95
25) 2-Butanone	7.081	43	46984	134.292	ug/l #	86
26) 2,2-Dichloropropane	7.081	77	71256	25.446	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	55069	23.810	ug/l	98
28) Bromochloromethane	7.428	49	30488	27.176	ug/l	92
29) Tetrahydrofuran	7.452	42	25875	128.208	ug/l	98
30) Chloroform	7.599	83	89385	25.367	ug/l	93
31) Cyclohexane	7.881	56	58932	24.627	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	76382	25.126	ug/l	97
36) 1,1-Dichloropropene	8.010	75	64137	23.344	ug/l	98
37) Ethyl Acetate	7.169	43	18873	21.869	ug/l	97
38) Carbon Tetrachloride	7.993	117	68656	22.463	ug/l	96
39) Methylcyclohexane	9.275	83	69520	20.824	ug/l	93
40) Benzene	8.252	78	196110	23.521	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	10373	25.185	ug/l #	89
42) 1,2-Dichloroethane	8.328	62	49224	25.065	ug/l	98
43) Isopropyl Acetate	8.369	43	36210	23.306	ug/l	97
44) Trichloroethene	9.028	130	52188	21.409	ug/l	92
45) 1,2-Dichloropropane	9.304	63	47552	24.741	ug/l	100
46) Dibromomethane	9.393	93	26847	22.343	ug/l	92
47) Bromodichloromethane	9.587	83	66304	23.142	ug/l	99
48) Methyl methacrylate	9.381	41	16459	23.418	ug/l	91
49) 1,4-Dioxane	9.393	88	4866	433.932	ug/l #	94
51) 4-Methyl-2-Pentanone	10.157	43	97203	124.808	ug/l	94
52) Toluene	10.334	92	125761	23.102	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	59477	23.126	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	73420	23.333	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	39688	23.848	ug/l	95
56) Ethyl methacrylate	10.598	69	35162	22.108	ug/l	97
57) 1,3-Dichloropropane	10.881	76	62307	24.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	74106	94.219	ug/l	96
59) 2-Hexanone	10.922	43	69746	124.689	ug/l	92
60) Dibromochloromethane	11.075	129	46746	21.998	ug/l	96
61) 1,2-Dibromoethane	11.181	107	36318	23.159	ug/l	99
64) Tetrachloroethene	10.810	164	42708	20.120	ug/l	92
65) Chlorobenzene	11.604	112	136459	21.922	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	49191	20.789	ug/l	98
67) Ethyl Benzene	11.687	91	220604	21.379	ug/l	95
68) m/p-Xylenes	11.793	106	184269	43.487	ug/l	97
69) o-Xylene	12.122	106	79471	20.373	ug/l	92
70) Styrene	12.134	104	142031	21.342	ug/l	98
71) Bromoform	12.298	173	26785	20.650	ug/l #	96
73) Isopropylbenzene	12.422	105	210702	22.072	ug/l	97
74) N-amyl acetate	12.234	43	34147	24.865	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	42295	24.382	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	33111m	18.713	ug/l	
77) Bromobenzene	12.698	156	52039	20.764	ug/l	93
78) n-propylbenzene	12.763	91	271060	23.578	ug/l	98
79) 2-Chlorotoluene	12.851	91	145855	23.292	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	177714	22.560	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	12999	24.135	ug/l	96
82) 4-Chlorotoluene	12.945	91	158231	24.271	ug/l	97
83) tert-Butylbenzene	13.169	119	152256	21.800	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	180024	22.698	ug/l	99
85) sec-Butylbenzene	13.345	105	236012	22.457	ug/l	96
86) p-Isopropyltoluene	13.463	119	195553	21.418	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	113290	21.480	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	113982	21.809	ug/l	98
89) n-Butylbenzene	13.787	91	197872	24.889	ug/l	97
90) Hexachloroethane	14.051	117	52830	28.625	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	108340	24.317	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.439	75	6067	28.575	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	53775	19.372	ug/l	97
94) Hexachlorobutadiene	15.210	225	32037	20.321	ug/l	97
95) Naphthalene	15.334	128	91202	19.459	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	48299	20.046	ug/l	99

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

