

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077390.D
 Acq On : 24 Oct 2023 12:56
 Operator : JC/SY
 Sample : VD1024SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 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 04:02:56 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	179414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	311095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	301533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75689	47.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.480%		
35) Dibromofluoromethane	7.804	113	89500	40.950	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.900%		
50) Toluene-d8	10.269	98	325922	41.639	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	83.280%		
62) 4-Bromofluorobenzene	12.575	95	94066	41.749	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	35144	21.070	ug/l	94
3) Chloromethane	2.152	50	67168	19.775	ug/l	95
4) Vinyl Chloride	2.287	62	87663	21.849	ug/l	99
5) Bromomethane	2.687	94	60415	23.432	ug/l	98
6) Chloroethane	2.840	64	66601	23.613	ug/l	99
7) Trichlorofluoromethane	3.175	101	107928	26.517	ug/l	99
8) Diethyl Ether	3.599	74	19655	18.017	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.969	101	43083	20.460	ug/l	98
10) Methyl Iodide	4.163	142	45185	17.537	ug/l #	90
11) Tert butyl alcohol	5.058	59	13621	151.140	ug/l #	82
12) 1,1-Dichloroethene	3.940	96	40607	19.657	ug/l	95
13) Acrolein	3.793	56	15950	101.954	ug/l	94
14) Allyl chloride	4.563	41	42724	21.798	ug/l	99
15) Acrylonitrile	5.252	53	42987	130.032	ug/l	97
16) Acetone	4.016	43	40532	115.373	ug/l #	85
17) Carbon Disulfide	4.275	76	127687	21.027	ug/l	100
18) Methyl Acetate	4.563	43	28536	23.339	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	82878	23.555	ug/l	97
20) Methylene Chloride	4.805	84	69357	30.786	ug/l	96
21) trans-1,2-Dichloroethene	5.310	96	48533	22.589	ug/l	86
22) Diisopropyl ether	6.210	45	103510	26.903	ug/l	96
23) Vinyl Acetate	6.157	43	236056	130.916	ug/l	99
24) 1,1-Dichloroethane	6.104	63	80914	25.293	ug/l	97
25) 2-Butanone	7.081	43	48180	132.207	ug/l	92
26) 2,2-Dichloropropane	7.069	77	70791	24.269	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	55156	22.895	ug/l	96
28) Bromochloromethane	7.428	49	31309	26.792	ug/l	89
29) Tetrahydrofuran	7.446	42	26844	127.695	ug/l	98
30) Chloroform	7.593	83	89211	24.306	ug/l	98
31) Cyclohexane	7.875	56	57284	22.982	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	75018	23.691	ug/l	98
36) 1,1-Dichloropropene	8.010	75	61629	21.460	ug/l	98
37) Ethyl Acetate	7.163	43	21808	24.175	ug/l	95
38) Carbon Tetrachloride	7.987	117	68984	21.593	ug/l	91
39) Methylcyclohexane	9.275	83	69141	19.814	ug/l	98
40) Benzene	8.251	78	196446	22.541	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	7995m	18.571	ug/l	
42) 1,2-Dichloroethane	8.328	62	47670	23.222	ug/l	99
43) Isopropyl Acetate	8.363	43	38253	23.555	ug/l #	84
44) Trichloroethene	9.028	130	50885	19.971	ug/l	93
45) 1,2-Dichloropropane	9.310	63	47472	23.630	ug/l	99
46) Dibromomethane	9.393	93	28212	22.463	ug/l	94
47) Bromodichloromethane	9.581	83	69062	23.060	ug/l	99
48) Methyl methacrylate	9.381	41	16926	23.039	ug/l	92
49) 1,4-Dioxane	9.381	88	5245	446.324	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	100967	124.027	ug/l	94
52) Toluene	10.334	92	126375	22.209	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	59781	22.238	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	71601	21.769	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	40343	23.192	ug/l	93
56) Ethyl methacrylate	10.598	69	36028	21.671	ug/l	97
57) 1,3-Dichloropropane	10.881	76	61035	22.841	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	98307	119.575	ug/l	99
59) 2-Hexanone	10.922	43	71487	122.267	ug/l	92
60) Dibromochloromethane	11.075	129	47004	21.161	ug/l	95
61) 1,2-Dibromoethane	11.181	107	37273	22.739	ug/l	96
64) Tetrachloroethene	10.810	164	42285	18.867	ug/l	92
65) Chlorobenzene	11.604	112	134320	20.436	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	49963	19.998	ug/l	98
67) Ethyl Benzene	11.687	91	220119	20.203	ug/l	97
68) m/p-Xylenes	11.792	106	180823	40.417	ug/l	93
69) o-Xylene	12.122	106	80904	19.644	ug/l	96
70) Styrene	12.134	104	143901	20.479	ug/l	99
71) Bromoform	12.298	173	26706	19.499	ug/l #	99
73) Isopropylbenzene	12.422	105	208967	20.608	ug/l	97
74) N-amyl acetate	12.234	43	35430	24.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	44479	24.138	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	29066m	15.940	ug/l	
77) Bromobenzene	12.704	156	53746	20.189	ug/l	94
78) n-propylbenzene	12.763	91	266151	21.794	ug/l	95
79) 2-Chlorotoluene	12.851	91	146437	22.015	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	178390	21.318	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	13211	23.091	ug/l	98
82) 4-Chlorotoluene	12.945	91	153391	22.150	ug/l	98
83) tert-Butylbenzene	13.169	119	147764	19.917	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	178184	21.149	ug/l	97
85) sec-Butylbenzene	13.345	105	230240	20.624	ug/l	98
86) p-Isopropyltoluene	13.463	119	192855	19.885	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	112361	20.055	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	114484	20.621	ug/l	98
89) n-Butylbenzene	13.786	91	178898	21.184	ug/l	95
90) Hexachloroethane	14.051	117	42616	21.738	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	99283	20.978	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6345	28.133	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	54182	18.375	ug/l	98
94) Hexachlorobutadiene	15.204	225	30026	17.930	ug/l	97
95) Naphthalene	15.333	128	92747	18.629	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	46497	18.167	ug/l	98

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

