

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077362.D
 Acq On : 20 Oct 2023 13:02
 Operator : JC/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/23/2023
 Supervised By : Mahesh Dadoda 10/24/2023

Quant Time: Oct 21 05:28:17 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	180602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	309450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	291910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	150985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80796	50.101	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.200%			
35) Dibromofluoromethane	7.810	113	94335	43.392	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.780%			
50) Toluene-d8	10.269	98	342144	43.944	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.880%			
62) 4-Bromofluorobenzene	12.575	95	97655	43.572	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	38783	23.099	ug/l	96
3) Chloromethane	2.152	50	65038	19.022	ug/l	98
4) Vinyl Chloride	2.287	62	95011	23.525	ug/l	98
5) Bromomethane	2.687	94	65567	25.263	ug/l	99
6) Chloroethane	2.840	64	68996	24.301	ug/l	99
7) Trichlorofluoromethane	3.175	101	94560	23.079	ug/l	100
8) Diethyl Ether	3.593	74	18860	17.175	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.970	101	42974	20.274	ug/l	98
10) Methyl Iodide	4.158	142	40616	15.660	ug/l	92
11) Tert butyl alcohol	5.040	59	9459m	104.268	ug/l	
12) 1,1-Dichloroethene	3.940	96	38919	18.716	ug/l	95
13) Acrolein	3.793	56	15776	100.179	ug/l	95
14) Allyl chloride	4.558	41	41885	21.229	ug/l	97
15) Acrylonitrile	5.252	53	39631	119.092	ug/l	97
16) Acetone	4.022	43	40446	114.371	ug/l #	86
17) Carbon Disulfide	4.275	76	124169	20.313	ug/l	98
18) Methyl Acetate	4.558	43	27348	22.220	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	75879	21.424	ug/l	97
20) Methylene Chloride	4.799	84	59381	25.396	ug/l #	84
21) trans-1,2-Dichloroethene	5.311	96	46878	21.675	ug/l	98
22) Diisopropyl ether	6.216	45	94876	24.496	ug/l	97
23) Vinyl Acetate	6.158	43	221677	122.133	ug/l	96
24) 1,1-Dichloroethane	6.111	63	77120	23.949	ug/l	98
25) 2-Butanone	7.081	43	44971	122.590	ug/l	90
26) 2,2-Dichloropropane	7.075	77	63725	21.703	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	50441	20.800	ug/l	99
28) Bromochloromethane	7.428	49	29342	24.944	ug/l	91
29) Tetrahydrofuran	7.446	42	26758	126.448	ug/l	93
30) Chloroform	7.599	83	84171	22.782	ug/l	94
31) Cyclohexane	7.881	56	54956	21.903	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	71380	22.394	ug/l	99
36) 1,1-Dichloropropene	8.005	75	60021	21.011	ug/l	99
37) Ethyl Acetate	7.163	43	21708	24.192	ug/l	96
38) Carbon Tetrachloride	7.993	117	63836	20.088	ug/l	95
39) Methylcyclohexane	9.275	83	66771	19.237	ug/l	91
40) Benzene	8.252	78	181428	20.928	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	11394	26.606	ug/l	91
42) 1,2-Dichloroethane	8.322	62	45421	22.244	ug/l	97
43) Isopropyl Acetate	8.363	43	37344	23.117	ug/l	95
44) Trichloroethene	9.034	130	48653	19.196	ug/l	99
45) 1,2-Dichloropropane	9.305	63	43300	21.668	ug/l	90
46) Dibromomethane	9.393	93	25442	20.365	ug/l	92
47) Bromodichloromethane	9.587	83	77937	26.162	ug/l	99
48) Methyl methacrylate	9.381	41	15093	20.653	ug/l	91
49) 1,4-Dioxane	9.381	88	4652	401.963	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	95946	118.486	ug/l	94
52) Toluene	10.334	92	115283	20.368	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	56115	20.985	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	67708	20.695	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	36233	20.940	ug/l	98
56) Ethyl methacrylate	10.599	69	32753	19.806	ug/l	95
57) 1,3-Dichloropropane	10.881	76	55927	21.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	98590	120.557	ug/l	98
59) 2-Hexanone	10.922	43	69649	119.756	ug/l	95
60) Dibromochloromethane	11.075	129	41315	18.699	ug/l	93
61) 1,2-Dibromoethane	11.181	107	32751	20.086	ug/l	100
64) Tetrachloroethene	10.810	164	38660	17.818	ug/l	95
65) Chlorobenzene	11.604	112	120865	18.996	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	45926	18.988	ug/l	98
67) Ethyl Benzene	11.687	91	201699	19.123	ug/l	95
68) m/p-Xylenes	11.793	106	167758	38.732	ug/l	97
69) o-Xylene	12.122	106	73961	18.550	ug/l	97
70) Styrene	12.140	104	128131	18.836	ug/l	97
71) Bromoform	12.298	173	23693	17.870	ug/l #	96
73) Isopropylbenzene	12.422	105	190185	19.044	ug/l	96
74) N-amyl acetate	12.234	43	32678	22.745	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	40823	22.495	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	26440m	14.932	ug/l	
77) Bromobenzene	12.698	156	47866	18.256	ug/l	92
78) n-propylbenzene	12.763	91	244396	20.320	ug/l	97
79) 2-Chlorotoluene	12.851	91	130895	19.981	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	161993	19.656	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	13062	23.181	ug/l	97
82) 4-Chlorotoluene	12.945	91	140858	20.652	ug/l	96
83) tert-Butylbenzene	13.169	119	133958	18.334	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	158632	19.118	ug/l	100
85) sec-Butylbenzene	13.345	105	217073	19.743	ug/l	95
86) p-Isopropyltoluene	13.463	119	174993	18.320	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	103686	18.791	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	103129	18.861	ug/l	97
89) n-Butylbenzene	13.787	91	164412	19.767	ug/l	98
90) Hexachloroethane	14.057	117	38510	19.945	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	88472	18.981	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5474	24.644	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	48419	16.673	ug/l	97
94) Hexachlorobutadiene	15.204	225	26662	16.165	ug/l	97
95) Naphthalene	15.334	128	83194	16.967	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	43774	17.366	ug/l	99

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

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