

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076885.D
 Acq On : 31 Jul 2023 20:15
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 02:14:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	141610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	252397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	233608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	114684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75244	53.346	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.700%			
35) Dibromofluoromethane	7.805	113	88945	56.078	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.160%			
50) Toluene-d8	10.269	98	286782	50.543	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.575	95	99075	53.976	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	53687	48.482	ug/l	96
3) Chloromethane	2.146	50	96601	50.570	ug/l	96
4) Vinyl Chloride	2.275	62	129663	50.920	ug/l	96
5) Bromomethane	2.675	94	93888	44.813	ug/l	98
6) Chloroethane	2.822	64	100431	52.237	ug/l	96
7) Trichlorofluoromethane	3.164	101	116215	51.290	ug/l	98
8) Diethyl Ether	3.587	74	38802	49.739	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.958	101	79949	53.678	ug/l	94
10) Methyl Iodide	4.158	142	83469	49.715	ug/l #	90
11) Tert butyl alcohol	5.069	59	28547	271.226	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	68158	48.708	ug/l	90
13) Acrolein	3.787	56	17032	237.461	ug/l	93
14) Allyl chloride	4.546	41	92160	50.135	ug/l	93
15) Acrylonitrile	5.252	53	102599	267.774	ug/l	100
16) Acetone	4.022	43	64858	192.541	ug/l #	85
17) Carbon Disulfide	4.264	76	148000	45.284	ug/l	99
18) Methyl Acetate	4.564	43	70917	56.034	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	195593	52.123	ug/l	99
20) Methylene Chloride	4.793	84	130426	68.922	ug/l	89
21) trans-1,2-Dichloroethene	5.305	96	82790	50.899	ug/l	97
22) Diisopropyl ether	6.216	45	240451	55.239	ug/l	93
23) Vinyl Acetate	6.152	43	573004	266.049	ug/l	93
24) 1,1-Dichloroethane	6.111	63	157754	53.751	ug/l	97
25) 2-Butanone	7.081	43	118737	263.376	ug/l	93
26) 2,2-Dichloropropane	7.069	77	122137	48.277	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	105657	52.692	ug/l	93
28) Bromochloromethane	7.428	49	35221	48.001	ug/l	85
29) Tetrahydrofuran	7.452	42	73694	276.665	ug/l	90
30) Chloroform	7.593	83	179577	55.865	ug/l	95
31) Cyclohexane	7.875	56	95774	46.139	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	142910	55.102	ug/l	99
36) 1,1-Dichloropropene	8.005	75	111697	53.893	ug/l	96
37) Ethyl Acetate	7.169	43	56586	61.050	ug/l	93
38) Carbon Tetrachloride	7.987	117	110772	55.818	ug/l	93
39) Methylcyclohexane	9.269	83	119408	49.896	ug/l	99
40) Benzene	8.246	78	350854	53.652	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	26437	46.708	ug/l #	83
42) 1,2-Dichloroethane	8.322	62	97360	57.299	ug/l	98
43) Isopropyl Acetate	8.357	43	100607	55.618	ug/l	94
44) Trichloroethene	9.022	130	92408	51.856	ug/l	99
45) 1,2-Dichloropropane	9.305	63	93578	55.435	ug/l	96
46) Dibromomethane	9.393	93	58178	58.879	ug/l	87
47) Bromodichloromethane	9.581	83	140477	56.653	ug/l	97
48) Methyl methacrylate	9.381	41	47022	57.115	ug/l #	81
49) 1,4-Dioxane	9.387	88	13823	1091.898	ug/l #	92
51) 4-Methyl-2-Pentanone	10.157	43	281732	292.523	ug/l	93
52) Toluene	10.334	92	227855	53.051	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	123860	53.817	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	144824	53.392	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	81066	56.184	ug/l	91
56) Ethyl methacrylate	10.599	69	92874	55.768	ug/l #	87
57) 1,3-Dichloropropane	10.881	76	130182	55.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	151320	234.741	ug/l	93
59) 2-Hexanone	10.922	43	190097	276.617	ug/l	91
60) Dibromochloromethane	11.075	129	97857	58.381	ug/l	98
61) 1,2-Dibromoethane	11.181	107	75384	56.353	ug/l	98
64) Tetrachloroethene	10.810	164	71460	53.646	ug/l	87
65) Chlorobenzene	11.604	112	256429	54.579	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	97607	55.800	ug/l	98
67) Ethyl Benzene	11.681	91	446838	54.154	ug/l	99
68) m/p-Xylenes	11.793	106	344342	108.661	ug/l	91
69) o-Xylene	12.122	106	165042	53.857	ug/l	91
70) Styrene	12.134	104	297744	55.503	ug/l	97
71) Bromoform	12.298	173	56867	59.359	ug/l #	98
73) Isopropylbenzene	12.422	105	443128	53.257	ug/l	95
74) N-amyl acetate	12.234	43	97205	55.454	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	103922	58.171	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	62886m	57.660	ug/l	
77) Bromobenzene	12.698	156	106097	55.242	ug/l	89
78) n-propylbenzene	12.763	91	551189	54.643	ug/l	94
79) 2-Chlorotoluene	12.845	91	297066	53.711	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	366051	54.408	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	26976	52.641	ug/l	94
82) 4-Chlorotoluene	12.945	91	311542	53.919	ug/l	94
83) tert-Butylbenzene	13.169	119	321363	54.249	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	362773	52.765	ug/l	98
85) sec-Butylbenzene	13.345	105	498052	55.029	ug/l	95
86) p-Isopropyltoluene	13.457	119	408432	54.642	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	216157	54.719	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	203968	52.701	ug/l	97
89) n-Butylbenzene	13.787	91	394239	53.900	ug/l	97
90) Hexachloroethane	14.051	117	82241	59.514	ug/l	84
91) 1,2-Dichlorobenzene	13.828	146	192484	55.297	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13362	52.457	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	113288	53.309	ug/l	97
94) Hexachlorobutadiene	15.204	225	53370	52.219	ug/l	99
95) Naphthalene	15.334	128	251492	54.656	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	102491	53.744	ug/l	98

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

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