

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD076991.D
 Acq On : 14 Aug 2023 10:12
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/15/2023
 Supervised By :Mahesh Dadoda 08/15/2023

Quant Time: Aug 14 12:43:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	215800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	369763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	346735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	173005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	67166	39.455	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.900%		
35) Dibromofluoromethane	7.805	113	86751	43.640	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.280%		
50) Toluene-d8	10.269	98	262433	41.102	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	82.200%		
62) 4-Bromofluorobenzene	12.575	95	97115	43.509	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	50771	45.210	ug/l	98
3) Chloromethane	2.146	50	74731	40.823	ug/l	98
4) Vinyl Chloride	2.281	62	114392	42.408	ug/l	96
5) Bromomethane	2.681	94	97161	39.825	ug/l	99
6) Chloroethane	2.828	64	93239	42.074	ug/l	93
7) Trichlorofluoromethane	3.169	101	132292	45.020	ug/l	99
8) Diethyl Ether	3.593	74	46729	49.422	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.958	101	91923	45.680	ug/l	98
10) Methyl Iodide	4.158	142	93631	48.314	ug/l #	89
11) Tert butyl alcohol	5.052	59	32467	290.058	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	70963	42.967	ug/l	94
13) Acrolein	3.799	56	8310	210.835	ug/l	92
14) Allyl chloride	4.552	41	92447	45.578	ug/l	92
15) Acrylonitrile	5.258	53	115451	245.552	ug/l	98
16) Acetone	4.016	43	111911	325.452	ug/l	87
17) Carbon Disulfide	4.269	76	117805	42.138	ug/l	99
18) Methyl Acetate	4.558	43	77390	48.685	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	242078	51.927	ug/l	99
20) Methylene Chloride	4.793	84	112437	44.246	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	86991	46.111	ug/l	95
22) Diisopropyl ether	6.210	45	262793	49.595	ug/l	96
23) Vinyl Acetate	6.152	43	644731	259.436	ug/l	96
24) 1,1-Dichloroethane	6.105	63	174143	45.980	ug/l	98
25) 2-Butanone	7.075	43	147768	259.505	ug/l #	86
26) 2,2-Dichloropropane	7.069	77	156203	45.426	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	123172	47.581	ug/l	98
28) Bromochloromethane	7.428	49	87064	48.099	ug/l	98
29) Tetrahydrofuran	7.446	42	80180	252.161	ug/l	96
30) Chloroform	7.593	83	212545	49.190	ug/l	97
31) Cyclohexane	7.875	56	94285	46.050	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	170372	48.044	ug/l	98
36) 1,1-Dichloropropene	8.010	75	118843	48.345	ug/l	98
37) Ethyl Acetate	7.169	43	56079	49.439	ug/l	99
38) Carbon Tetrachloride	7.993	117	132357	50.307	ug/l	95
39) Methylcyclohexane	9.275	83	118893	45.650	ug/l	95
40) Benzene	8.252	78	392379	49.642	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	33855	55.313	ug/l #	91
42) 1,2-Dichloroethane	8.322	62	114302	53.647	ug/l	98
43) Isopropyl Acetate	8.357	43	113633	53.310	ug/l	92
44) Trichloroethene	9.028	130	108418	49.682	ug/l	99
45) 1,2-Dichloropropane	9.304	63	108765	51.062	ug/l	98
46) Dibromomethane	9.393	93	63561	49.937	ug/l	96
47) Bromodichloromethane	9.587	83	167199	51.208	ug/l #	99
48) Methyl methacrylate	9.381	41	52452	55.960	ug/l	83
49) 1,4-Dioxane	9.381	88	15449	1038.429	ug/l #	96
51) 4-Methyl-2-Pentanone	10.157	43	320440	272.348	ug/l	94
52) Toluene	10.334	92	263737	50.806	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	148232	52.039	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	170122	51.495	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	97665	51.704	ug/l	95
56) Ethyl methacrylate	10.599	69	106537	54.416	ug/l #	91
57) 1,3-Dichloropropane	10.881	76	150227	51.192	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	155712	211.571	ug/l	98
59) 2-Hexanone	10.922	43	225239	281.231	ug/l	93
60) Dibromochloromethane	11.075	129	124408	54.611	ug/l	97
61) 1,2-Dibromoethane	11.181	107	86411	51.442	ug/l	96
64) Tetrachloroethene	10.810	164	85046	48.726	ug/l	93
65) Chlorobenzene	11.604	112	311103	50.716	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	129278	53.408	ug/l	97
67) Ethyl Benzene	11.681	91	524159	50.647	ug/l	99
68) m/p-Xylenes	11.793	106	416381	103.591	ug/l	94
69) o-Xylene	12.122	106	201479	52.268	ug/l	94
70) Styrene	12.134	104	364263	53.008	ug/l	99
71) Bromoform	12.298	173	74588	55.582	ug/l #	99
73) Isopropylbenzene	12.422	105	541808	49.767	ug/l	96
74) N-amyl acetate	12.234	43	106573	49.134	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	118496	49.396	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	77954m	48.032	ug/l	
77) Bromobenzene	12.698	156	133826	50.518	ug/l	96
78) n-propylbenzene	12.763	91	649852	49.070	ug/l	97
79) 2-Chlorotoluene	12.851	91	354027	48.624	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	445268	50.388	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	33499	48.494	ug/l	97
82) 4-Chlorotoluene	12.945	91	373612	49.028	ug/l	98
83) tert-Butylbenzene	13.169	119	405515	50.045	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	453822	50.401	ug/l	96
85) sec-Butylbenzene	13.345	105	605155	49.436	ug/l	97
86) p-Isopropyltoluene	13.463	119	512343	50.674	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	282090	51.335	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	271531	49.564	ug/l	98
89) n-Butylbenzene	13.787	91	464101	48.190	ug/l	98
90) Hexachloroethane	14.057	117	103251	50.538	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	246723	50.501	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	16487	50.548	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	156471	51.783	ug/l	99
94) Hexachlorobutadiene	15.210	225	76223	50.423	ug/l	98
95) Naphthalene	15.334	128	320753	52.192	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	141148	52.391	ug/l	98

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

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