

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071423\
 Data File : VD076739.D
 Acq On : 14 Jul 2023 13:49
 Operator : KP/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 17 07:42:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 07:40:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	195620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	349566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	331974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	160869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	189379	97.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 194.400%#			
35) Dibromofluoromethane	7.805	113	221550	100.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.720%#			
50) Toluene-d8	10.269	98	770578	98.058	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 196.120%#			
62) 4-Bromofluorobenzene	12.575	95	260687	102.544	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 205.080%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	140465	91.824	ug/l	99
3) Chloromethane	2.146	50	241713	91.599	ug/l	99
4) Vinyl Chloride	2.275	62	328303	93.331	ug/l	100
5) Bromomethane	2.670	94	269833	93.232	ug/l	100
6) Chloroethane	2.822	64	250295	94.242	ug/l	98
7) Trichlorofluoromethane	3.164	101	295663	94.461	ug/l	97
8) Diethyl Ether	3.587	74	108820	100.979	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.952	101	192187	93.410	ug/l	97
10) Methyl Iodide	4.158	142	251902	108.611	ug/l	93
11) Tert butyl alcohol	5.058	59	72412	498.037	ug/l	99
12) 1,1-Dichloroethene	3.934	96	182921	94.629	ug/l	87
13) Acrolein	3.793	56	45363	457.836	ug/l	96
14) Allyl chloride	4.558	41	245046	96.500	ug/l	91
15) Acrylonitrile	5.252	53	266852	504.170	ug/l	99
16) Acetone	4.022	43	231039	496.508	ug/l	88
17) Carbon Disulfide	4.264	76	441040	97.687	ug/l	98
18) Methyl Acetate	4.558	43	174621	99.881	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	519397	100.197	ug/l	99
20) Methylene Chloride	4.793	84	257763	104.190	ug/l	95
21) trans-1,2-Dichloroethene	5.305	96	217559	96.825	ug/l	98
22) Diisopropyl ether	6.216	45	599807	99.750	ug/l	98
23) Vinyl Acetate	6.152	43	1515915	509.517	ug/l	94
24) 1,1-Dichloroethane	6.105	63	399282	98.485	ug/l	96
25) 2-Butanone	7.081	43	318505	511.431	ug/l	92
26) 2,2-Dichloropropane	7.069	77	342084	97.882	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	281284	101.549	ug/l	97
28) Bromochloromethane	7.422	49	93093	91.843	ug/l	86
29) Tetrahydrofuran	7.446	42	186616	507.168	ug/l	95
30) Chloroform	7.593	83	436355	98.267	ug/l	99
31) Cyclohexane	7.875	56	256017	89.283	ug/l	99
32) 1,1,1-Trichloroethane	7.787	97	355810	99.313	ug/l	97
36) 1,1-Dichloropropene	8.005	75	289445	100.835	ug/l	97
37) Ethyl Acetate	7.163	43	132843	103.484	ug/l	97
38) Carbon Tetrachloride	7.987	117	276845	100.724	ug/l	96
39) Methylcyclohexane	9.269	83	325719	98.273	ug/l	99
40) Benzene	8.252	78	914564	100.978	ug/l	98

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41) Methacrylonitrile	7.399	41	67463	86.059	ug/l #	88
42) 1,2-Dichloroethane	8.322	62	240249	102.090	ug/l	97
43) Isopropyl Acetate	8.363	43	255471	101.973	ug/l	94
44) Trichloroethene	9.028	130	248001	100.484	ug/l	93
45) 1,2-Dichloropropane	9.304	63	234258	100.198	ug/l	97
46) Dibromomethane	9.393	93	138627	101.299	ug/l	92
47) Bromodichloromethane	9.581	83	336453	97.971	ug/l	98
48) Methyl methacrylate	9.381	41	115565	101.351	ug/l #	85
49) 1,4-Dioxane	9.381	88	36357	2073.590	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	683303	512.262	ug/l	95
52) Toluene	10.334	92	596917	100.347	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	334168	104.835	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	381222	101.477	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	204444	102.306	ug/l	96
56) Ethyl methacrylate	10.599	69	243261	105.468	ug/l #	92
57) 1,3-Dichloropropane	10.881	76	326907	100.451	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	446452	500.060	ug/l	98
59) 2-Hexanone	10.922	43	491018	515.889	ug/l	93
60) Dibromochloromethane	11.075	129	238690	102.817	ug/l	95
61) 1,2-Dibromoethane	11.175	107	188039	101.494	ug/l	100
64) Tetrachloroethene	10.810	164	184114	97.262	ug/l	91
65) Chlorobenzene	11.610	112	667377	99.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	251172	101.044	ug/l	96
67) Ethyl Benzene	11.681	91	1176287	100.318	ug/l	98
68) m/p-Xylenes	11.793	106	924273	205.243	ug/l	91
69) o-Xylene	12.122	106	453783	104.203	ug/l	94
70) Styrene	12.134	104	794298	104.193	ug/l	99
71) Bromoform	12.298	173	142379	104.581	ug/l #	98
73) Isopropylbenzene	12.422	105	1150548	98.579	ug/l	96
74) N-amyl acetate	12.234	43	245817	99.974	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	246196	98.245	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	153982m	96.325	ug/l	
77) Bromobenzene	12.698	156	264708	98.257	ug/l	88
78) n-propylbenzene	12.763	91	1396720	98.712	ug/l	96
79) 2-Chlorotoluene	12.851	91	772348	99.552	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	950468	100.713	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	73319	101.998	ug/l	98
82) 4-Chlorotoluene	12.945	91	804411	99.250	ug/l	95
83) tert-Butylbenzene	13.163	119	853543	102.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	974087	101.004	ug/l	96
85) sec-Butylbenzene	13.345	105	1263179	99.498	ug/l	95
86) p-Isopropyltoluene	13.457	119	1071451	102.191	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	558389	100.771	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	544228	100.246	ug/l	99
89) n-Butylbenzene	13.787	91	1011805	98.618	ug/l	98
90) Hexachloroethane	14.051	117	197949	102.120	ug/l	85
91) 1,2-Dichlorobenzene	13.828	146	478636	98.027	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	33805	94.612	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	301750	101.227	ug/l	97
94) Hexachlorobutadiene	15.204	225	133680	93.245	ug/l	98
95) Naphthalene	15.328	128	670522	103.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	268994	100.558	ug/l	98

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

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