

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071423\
 Data File : VD076737.D
 Acq On : 14 Jul 2023 12:50
 Operator : KP/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Jul 17 07:42:07 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	188427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	341736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	308122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	145897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	40267	21.455	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	42.920%#		
35) Dibromofluoromethane	7.804	113	47149	21.955	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.920%#		
50) Toluene-d8	10.269	98	173680	22.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	45.220%#		
62) 4-Bromofluorobenzene	12.569	95	53534	21.541	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	43.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	33835	22.963	ug/l	97
3) Chloromethane	2.146	50	54139	21.300	ug/l	98
4) Vinyl Chloride	2.275	62	71573	21.124	ug/l	99
5) Bromomethane	2.669	94	54937	19.706	ug/l	100
6) Chloroethane	2.822	64	53171	20.784	ug/l	96
7) Trichlorofluoromethane	3.164	101	65433	21.703	ug/l	95
8) Diethyl Ether	3.587	74	19767	19.043	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.958	101	43982	22.193	ug/l	98
10) Methyl Iodide	4.158	142	45632	20.426	ug/l #	87
11) Tert butyl alcohol	5.058	59	15014	107.206	ug/l #	89
12) 1,1-Dichloroethene	3.928	96	39395	21.158	ug/l	93
13) Acrolein	3.799	56	12019	125.935	ug/l	91
14) Allyl chloride	4.552	41	49019	20.041	ug/l	92
15) Acrylonitrile	5.258	53	48957	96.027	ug/l	97
16) Acetone	4.022	43	40918	91.290	ug/l	90
17) Carbon Disulfide	4.258	76	91827	21.115	ug/l	98
18) Methyl Acetate	4.563	43	32801	19.478	ug/l	98
19) Methyl tert-butyl Ether	5.310	73	98398	19.707	ug/l	95
20) Methylene Chloride	4.793	84	60510	15.582	ug/l #	84
21) trans-1,2-Dichloroethene	5.299	96	44754	20.678	ug/l	93
22) Diisopropyl ether	6.210	45	117013	20.202	ug/l #	93
23) Vinyl Acetate	6.157	43	276011	96.312	ug/l	97
24) 1,1-Dichloroethane	6.105	63	78863	20.194	ug/l	98
25) 2-Butanone	7.081	43	58024	96.727	ug/l	89
26) 2,2-Dichloropropane	7.069	77	69853	20.750	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	53703	20.128	ug/l	93
28) Bromochloromethane	7.422	49	22176	22.713	ug/l	87
29) Tetrahydrofuran	7.440	42	35180	99.259	ug/l	92
30) Chloroform	7.593	83	88581	20.710	ug/l	96
31) Cyclohexane	7.875	56	59457	21.526	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	72942	21.137	ug/l	98
36) 1,1-Dichloropropene	8.004	75	59873	21.336	ug/l	96
37) Ethyl Acetate	7.169	43	24712	19.692	ug/l #	86
38) Carbon Tetrachloride	7.993	117	57874	21.539	ug/l	94
39) Methylcyclohexane	9.275	83	69610	21.483	ug/l	92
40) Benzene	8.251	78	184372	20.823	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	15805	20.624	ug/l #	84
42) 1,2-Dichloroethane	8.328	62	45636	19.837	ug/l	98
43) Isopropyl Acetate	8.357	43	47033	19.204	ug/l	95
44) Trichloroethene	9.028	130	51172	21.209	ug/l	94
45) 1,2-Dichloropropane	9.304	63	47063	20.591	ug/l	96
46) Dibromomethane	9.393	93	27204	20.334	ug/l	88
47) Bromodichloromethane	9.581	83	68983	20.547	ug/l	97
48) Methyl methacrylate	9.381	41	22051	19.782	ug/l	84
49) 1,4-Dioxane	9.387	88	6463	377.057	ug/l #	87
51) 4-Methyl-2-Pentanone	10.157	43	126415	96.943	ug/l	95
52) Toluene	10.334	92	116995	20.119	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	59142	18.979	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	75330	20.512	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	38999	19.963	ug/l	96
56) Ethyl methacrylate	10.598	69	44099	19.558	ug/l	92
57) 1,3-Dichloropropane	10.881	76	64555	20.291	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	87893	100.703	ug/l	96
59) 2-Hexanone	10.922	43	88240	94.834	ug/l	91
60) Dibromochloromethane	11.075	129	44838	19.757	ug/l	96
61) 1,2-Dibromoethane	11.181	107	36159	19.964	ug/l	96
64) Tetrachloroethene	10.810	164	38792	22.079	ug/l	89
65) Chlorobenzene	11.604	112	131498	21.220	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	48118	20.856	ug/l	96
67) Ethyl Benzene	11.681	91	229255	21.065	ug/l	95
68) m/p-Xylenes	11.792	106	177761	42.529	ug/l	94
69) o-Xylene	12.122	106	82357	20.376	ug/l	90
70) Styrene	12.134	104	145654	20.585	ug/l	96
71) Bromoform	12.298	173	25960	20.544	ug/l #	100
73) Isopropylbenzene	12.422	105	220227	20.805	ug/l	96
74) N-amyl acetate	12.234	43	44809	20.094	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	47315	20.819	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	30516m	21.049	ug/l	
77) Bromobenzene	12.698	156	51657	21.142	ug/l	86
78) n-propylbenzene	12.763	91	274887	21.421	ug/l	96
79) 2-Chlorotoluene	12.851	91	148926	21.166	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	181775	21.238	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	13891	21.308	ug/l	96
82) 4-Chlorotoluene	12.945	91	157369	21.409	ug/l	95
83) tert-Butylbenzene	13.169	119	158776	21.069	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	184364	21.079	ug/l	97
85) sec-Butylbenzene	13.345	105	248177	21.554	ug/l	95
86) p-Isopropyltoluene	13.457	119	202816	21.329	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	105645	21.022	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	102229	20.763	ug/l	96
89) n-Butylbenzene	13.786	91	203209	21.839	ug/l	95
90) Hexachloroethane	14.051	117	36824	20.947	ug/l	88
91) 1,2-Dichlorobenzene	13.828	146	91573	20.679	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6728	20.762	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	55187	20.413	ug/l	96
94) Hexachlorobutadiene	15.204	225	27256	20.963	ug/l	99
95) Naphthalene	15.328	128	114855	19.621	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	48718	20.081	ug/l	98

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

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