

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015019.D
 Acq On : 10 Aug 2023 11:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/11/2023
 Supervised By :Mahesh Dadoda 08/11/2023

Quant Time: Aug 10 14:20:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	315329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	520595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	482317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	245403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	205214	53.695	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.380%			
35) Dibromofluoromethane	7.716	113	186564	56.040	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.080%			
50) Toluene-d8	10.179	98	677162	53.441	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.880%			
62) 4-Bromofluorobenzene	12.477	95	257358	57.306	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	69547	38.950	ug/l	98
3) Chloromethane	2.113	50	109617	44.172	ug/l	97
4) Vinyl Chloride	2.247	62	131858	43.121	ug/l	95
5) Bromomethane	2.643	94	104092	53.463	ug/l	97
6) Chloroethane	2.784	64	99709	47.226	ug/l	100
7) Trichlorofluoromethane	3.119	101	207629	42.967	ug/l	100
8) Diethyl Ether	3.527	74	83108	46.608	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	120274	42.046	ug/l	98
10) Methyl Iodide	4.088	142	154081	52.098	ug/l	98
11) Tert butyl alcohol	4.954	59	166854	180.895	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	109525	43.943	ug/l	91
13) Acrolein	3.722	56	78533	250.278	ug/l	99
14) Allyl chloride	4.472	41	190823	45.976	ug/l	97
15) Acrylonitrile	5.155	53	255669	234.696	ug/l	98
16) Acetone	3.942	43	301444	252.936	ug/l	93
17) Carbon Disulfide	4.192	76	226236	41.054	ug/l	100
18) Methyl Acetate	4.472	43	207966	47.917	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	455986	48.356	ug/l	98
20) Methylene Chloride	4.710	84	201471	42.537	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	128241	45.139	ug/l	94
22) Diisopropyl ether	6.112	45	458162	47.391	ug/l	94
23) Vinyl Acetate	6.057	43	1342609	231.023	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	255476	46.588	ug/l	96
25) 2-Butanone	6.984	43	398244	233.303	ug/l	97
26) 2,2-Dichloropropane	6.978	77	249046	44.884	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	171331	47.654	ug/l	95
28) Bromochloromethane	7.332	49	122107	49.396	ug/l	89
29) Tetrahydrofuran	7.344	42	229194	228.963	ug/l	90
30) Chloroform	7.502	83	286302	48.062	ug/l	95
31) Cyclohexane	7.783	56	169213	42.256	ug/l	90
32) 1,1,1-Trichloroethane	7.703	97	246106	46.880	ug/l	98
36) 1,1-Dichloropropene	7.917	75	181042	43.803	ug/l	99
37) Ethyl Acetate	7.069	43	152548	46.498	ug/l #	95
38) Carbon Tetrachloride	7.899	117	213405	45.928	ug/l	97
39) Methylcyclohexane	9.179	83	202395	41.178	ug/l	93
40) Benzene	8.155	78	553954	45.516	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	85673m	53.736	ug/l	
42) 1,2-Dichloroethane	8.234	62	199071	46.990	ug/l	96
43) Isopropyl Acetate	8.270	43	283909	46.578	ug/l	97
44) Trichloroethene	8.935	130	164240	47.031	ug/l	96
45) 1,2-Dichloropropane	9.209	63	151017	46.689	ug/l	97
46) Dibromomethane	9.301	93	98431	47.239	ug/l	99
47) Bromodichloromethane	9.496	83	231808	48.311	ug/l	98
48) Methyl methacrylate	9.289	41	124972	46.730	ug/l	93
49) 1,4-Dioxane	9.295	88	35873	925.587	ug/l #	66
51) 4-Methyl-2-Pentanone	10.069	43	806563	234.811	ug/l	94
52) Toluene	10.240	92	367753	46.956	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	251395	50.311	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	260776	48.304	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	148289	48.966	ug/l	97
56) Ethyl methacrylate	10.508	69	219021	50.508	ug/l	90
57) 1,3-Dichloropropane	10.788	76	244711	48.840	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	471864	230.136	ug/l	92
59) 2-Hexanone	10.831	43	625373	246.458	ug/l	92
60) Dibromochloromethane	10.983	129	185169	51.352	ug/l	99
61) 1,2-Dibromoethane	11.087	107	140701	48.675	ug/l	99
64) Tetrachloroethene	10.715	164	184641	50.892	ug/l	97
65) Chlorobenzene	11.514	112	431826	47.184	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	177417	49.472	ug/l	100
67) Ethyl Benzene	11.593	91	750310	46.715	ug/l	100
68) m/p-Xylenes	11.703	106	573171	93.285	ug/l	96
69) o-Xylene	12.026	106	288294	47.951	ug/l	97
70) Styrene	12.044	104	495656	48.240	ug/l	98
71) Bromoform	12.209	173	124775	50.478	ug/l #	99
73) Isopropylbenzene	12.325	105	752197	45.598	ug/l	100
74) N-amyl acetate	12.142	43	261335	46.367	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	184717	45.820	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	135905m	46.218	ug/l	
77) Bromobenzene	12.605	156	189810	47.436	ug/l	100
78) n-propylbenzene	12.666	91	898867	45.557	ug/l	99
79) 2-Chlorotoluene	12.751	91	524062	46.605	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	640052	47.083	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	63810	47.806	ug/l	99
82) 4-Chlorotoluene	12.849	91	545977	46.967	ug/l	100
83) tert-Butylbenzene	13.074	119	574876	46.227	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	640607	47.034	ug/l	98
85) sec-Butylbenzene	13.251	105	831359	45.549	ug/l	100
86) p-Isopropyltoluene	13.367	119	704497	46.631	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	371356	47.413	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	368340	47.157	ug/l	99
89) n-Butylbenzene	13.696	91	652595	45.973	ug/l	96
90) Hexachloroethane	13.958	117	140895	48.023	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	343914	47.577	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	38036	48.323	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	228545	49.409	ug/l	99
94) Hexachlorobutadiene	15.111	225	118436	47.218	ug/l	98
95) Naphthalene	15.233	128	570653	52.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	204333	48.803	ug/l	99

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

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