

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081123\
 Data File : VY015047.D
 Acq On : 11 Aug 2023 10:18
 Operator : SY/MD
 Sample : VY0811SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0811SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/11/2023
 Supervised By :Mahesh Dadoda 08/15/2023

Quant Time: Aug 11 14:25:44 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	273763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	443962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	409309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	209369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	178510	53.799	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.600%			
35) Dibromofluoromethane	7.716	113	158644	55.879	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.760%			
50) Toluene-d8	10.179	98	589593	54.561	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.120%			
62) 4-Bromofluorobenzene	12.477	95	215850	56.360	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33146	19.754	ug/l	96
3) Chloromethane	2.113	50	37448	17.381	ug/l	95
4) Vinyl Chloride	2.247	62	47281	17.810	ug/l	98
5) Bromomethane	2.625	94	38718	20.242	ug/l	94
6) Chloroethane	2.784	64	36571	19.951	ug/l	99
7) Trichlorofluoromethane	3.119	101	80714	19.239	ug/l	98
8) Diethyl Ether	3.527	74	30933	19.982	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	48302	19.449	ug/l	98
10) Methyl Iodide	4.082	142	44060	17.160	ug/l	98
11) Tert butyl alcohol	4.942	59	122483	152.952	ug/l #	96
12) 1,1-Dichloroethene	3.869	96	40713	18.815	ug/l	83
13) Acrolein	3.729	56	40181	147.496	ug/l	97
14) Allyl chloride	4.472	41	67835	18.825	ug/l	96
15) Acrylonitrile	5.161	53	99388	105.087	ug/l	100
16) Acetone	3.948	43	115478	111.607	ug/l	99
17) Carbon Disulfide	4.186	76	69028	14.428	ug/l	98
18) Methyl Acetate	4.472	43	77186	20.485	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	167922	20.512	ug/l	99
20) Methylene Chloride	4.710	84	77738	7.394	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	45986	18.644	ug/l	96
22) Diisopropyl ether	6.118	45	169674	20.215	ug/l	92
23) Vinyl Acetate	6.057	43	497133	98.530	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	94978	19.950	ug/l	96
25) 2-Butanone	6.984	43	162655	109.756	ug/l	93
26) 2,2-Dichloropropane	6.978	77	96098	19.949	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	60303	19.319	ug/l	100
28) Bromochloromethane	7.332	49	44405	20.690	ug/l	89
29) Tetrahydrofuran	7.350	42	90070	103.641	ug/l	91
30) Chloroform	7.502	83	105088	20.320	ug/l	95
31) Cyclohexane	7.783	56	65637	16.790	ug/l #	91
32) 1,1,1-Trichloroethane	7.697	97	91807	20.143	ug/l	98
36) 1,1-Dichloropropene	7.917	75	66615	18.899	ug/l	98
37) Ethyl Acetate	7.069	43	59356	21.215	ug/l	96
38) Carbon Tetrachloride	7.899	117	80533	20.324	ug/l	96
39) Methylcyclohexane	9.179	83	75243	17.951	ug/l	94
40) Benzene	8.161	78	202632	19.523	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	29970m	22.042	ug/l	
42) 1,2-Dichloroethane	8.234	62	74457	20.609	ug/l	95
43) Isopropyl Acetate	8.270	43	108888	20.948	ug/l	97
44) Trichloroethene	8.941	130	61837	20.764	ug/l	93
45) 1,2-Dichloropropane	9.215	63	55074	19.966	ug/l	97
46) Dibromomethane	9.307	93	36506	20.544	ug/l	99
47) Bromodichloromethane	9.496	83	86389	21.112	ug/l	99
48) Methyl methacrylate	9.289	41	47182	20.688	ug/l	93
49) 1,4-Dioxane	9.295	88	13659	413.259	ug/l #	62
51) 4-Methyl-2-Pentanone	10.069	43	312444	106.661	ug/l	93
52) Toluene	10.240	92	135145	20.234	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	90036	21.129	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	93560	20.322	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	55076	21.326	ug/l	96
56) Ethyl methacrylate	10.508	69	78138	21.130	ug/l	90
57) 1,3-Dichloropropane	10.788	76	88919	20.810	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	180396	103.169	ug/l	91
59) 2-Hexanone	10.831	43	240820	111.288	ug/l	91
60) Dibromochloromethane	10.983	129	67301	21.886	ug/l	99
61) 1,2-Dibromoethane	11.087	107	53000	21.500	ug/l	99
64) Tetrachloroethene	10.721	164	64558	20.968	ug/l	96
65) Chlorobenzene	11.514	112	158926	20.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	63335	20.811	ug/l	98
67) Ethyl Benzene	11.593	91	277386	20.351	ug/l	99
68) m/p-Xylenes	11.703	106	210631	40.395	ug/l	96
69) o-Xylene	12.026	106	105697	20.716	ug/l	98
70) Styrene	12.044	104	182637	20.946	ug/l	96
71) Bromoform	12.209	173	45280	21.585	ug/l #	99
73) Isopropylbenzene	12.325	105	284245	20.196	ug/l	100
74) N-amyl acetate	12.142	43	96634	20.096	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	70523	20.504	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	52934m	21.100	ug/l	
77) Bromobenzene	12.605	156	69937	20.486	ug/l	97
78) n-propylbenzene	12.666	91	336866	20.012	ug/l	99
79) 2-Chlorotoluene	12.751	91	193687	20.189	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	239306	20.633	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	23246	20.413	ug/l	97
82) 4-Chlorotoluene	12.849	91	201009	20.268	ug/l	99
83) tert-Butylbenzene	13.075	119	215517	20.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	238568	20.531	ug/l	98
85) sec-Butylbenzene	13.251	105	313035	20.103	ug/l	99
86) p-Isopropyltoluene	13.367	119	264426	20.515	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	138478	20.723	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	140093	21.022	ug/l	99
89) n-Butylbenzene	13.696	91	251483	20.765	ug/l	96
90) Hexachloroethane	13.958	117	50596	20.213	ug/l	94
91) 1,2-Dichlorobenzene	13.733	146	131771	21.367	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14323	21.328	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	84227	21.343	ug/l	98
94) Hexachlorobutadiene	15.111	225	45464	21.245	ug/l	99
95) Naphthalene	15.233	128	214012	23.048	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	74691	20.909	ug/l	99

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

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