

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015163.D
 Acq On : 17 Aug 2023 11:43
 Operator : SY/MD
 Sample : VY0817SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0817SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/18/2023
 Supervised By :Mahesh Dadoda 08/18/2023

Quant Time: Aug 18 00:50:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	183574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	298934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	272343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116209	52.735	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.480%			
35) Dibromofluoromethane	7.716	113	103205	53.665	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.320%			
50) Toluene-d8	10.179	98	377920	52.789	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.580%			
62) 4-Bromofluorobenzene	12.477	95	133024	50.873	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	18616	20.737	ug/l	98
3) Chloromethane	2.107	50	23057	18.636	ug/l	99
4) Vinyl Chloride	2.247	62	28388	19.434	ug/l	97
5) Bromomethane	2.619	94	23794	21.153	ug/l	95
6) Chloroethane	2.778	64	21877	20.628	ug/l	99
7) Trichlorofluoromethane	3.113	101	51150	20.781	ug/l	100
8) Diethyl Ether	3.521	74	19876	20.590	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	31758	20.760	ug/l	96
10) Methyl Iodide	4.076	142	23844	15.874	ug/l	98
11) Tert butyl alcohol	4.942	59	61424	163.712	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	24946	19.529	ug/l	93
13) Acrolein	3.723	56	22604	137.562	ug/l	98
14) Allyl chloride	4.466	41	42923	18.953	ug/l	95
15) Acrylonitrile	5.155	53	70884	108.355	ug/l	98
16) Acetone	3.942	43	79507	110.443	ug/l	96
17) Carbon Disulfide	4.180	76	38853	17.283	ug/l	100
18) Methyl Acetate	4.466	43	54629	20.708	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	107731	19.835	ug/l	99
20) Methylene Chloride	4.704	84	42013	21.914	ug/l	94
21) trans-1,2-Dichloroethene	5.210	96	28448	19.744	ug/l	96
22) Diisopropyl ether	6.112	45	116630	20.638	ug/l	94
23) Vinyl Acetate	6.051	43	334470	99.190	ug/l	95
24) 1,1-Dichloroethane	6.009	63	63338	20.702	ug/l	96
25) 2-Butanone	6.978	43	111850	109.733	ug/l	97
26) 2,2-Dichloropropane	6.978	77	57556	19.515	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	39542	20.090	ug/l	98
28) Bromochloromethane	7.326	49	31065	22.100	ug/l	97
29) Tetrahydrofuran	7.344	42	63170	103.646	ug/l	94
30) Chloroform	7.502	83	71664	20.895	ug/l	99
31) Cyclohexane	7.777	56	41425	19.488	ug/l #	82
32) 1,1,1-Trichloroethane	7.697	97	59233	20.295	ug/l	99
36) 1,1-Dichloropropene	7.911	75	43291	20.347	ug/l	99
37) Ethyl Acetate	7.069	43	40550	20.447	ug/l	96
38) Carbon Tetrachloride	7.893	117	50583	20.088	ug/l	99
39) Methylcyclohexane	9.179	83	46918	19.671	ug/l	94
40) Benzene	8.155	78	131767	20.485	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	19375	18.946	ug/l	98
42) 1,2-Dichloroethane	8.234	62	47539	20.349	ug/l	95
43) Isopropyl Acetate	8.271	43	74472	20.621	ug/l	99
44) Trichloroethene	8.935	130	38740	20.905	ug/l	98
45) 1,2-Dichloropropane	9.209	63	37580	20.718	ug/l	99
46) Dibromomethane	9.301	93	23837	20.836	ug/l	95
47) Bromodichloromethane	9.496	83	57619	21.106	ug/l	98
48) Methyl methacrylate	9.289	41	31728	20.537	ug/l	94
49) 1,4-Dioxane	9.295	88	9033	394.860	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	221088	105.628	ug/l	95
52) Toluene	10.240	92	84836	20.010	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	56088	19.550	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	60286	19.952	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	35830	20.598	ug/l	97
56) Ethyl methacrylate	10.508	69	49578	19.475	ug/l	93
57) 1,3-Dichloropropane	10.788	76	58852	20.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	123014	103.833	ug/l	95
59) 2-Hexanone	10.831	43	165372	106.753	ug/l	94
60) Dibromochloromethane	10.983	129	42173	20.324	ug/l	100
61) 1,2-Dibromoethane	11.087	107	33341	20.176	ug/l	100
64) Tetrachloroethene	10.715	164	40220	21.197	ug/l	96
65) Chlorobenzene	11.514	112	100432	20.240	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	40285	20.008	ug/l	98
67) Ethyl Benzene	11.593	91	172832	19.879	ug/l	99
68) m/p-Xylenes	11.703	106	132597	40.156	ug/l	95
69) o-Xylene	12.026	106	64803	19.700	ug/l	99
70) Styrene	12.044	104	114795	20.163	ug/l	97
71) Bromoform	12.209	173	28109	19.259	ug/l #	99
73) Isopropylbenzene	12.331	105	177971	20.012	ug/l	99
74) N-amyl acetate	12.142	43	63695	19.837	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	46774	20.194	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	35727m	21.263	ug/l	
77) Bromobenzene	12.605	156	43652	20.137	ug/l	98
78) n-propylbenzene	12.672	91	212575	20.129	ug/l	99
79) 2-Chlorotoluene	12.758	91	121919	20.012	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	147457	19.891	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	14218	18.586	ug/l	99
82) 4-Chlorotoluene	12.855	91	124917	19.847	ug/l	100
83) tert-Butylbenzene	13.075	119	135173	19.935	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	148298	20.020	ug/l	99
85) sec-Butylbenzene	13.251	105	199320	20.063	ug/l	100
86) p-Isopropyltoluene	13.367	119	165769	20.125	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	87128	20.264	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	87931	20.390	ug/l	97
89) n-Butylbenzene	13.696	91	157347	20.260	ug/l	97
90) Hexachloroethane	13.959	117	31749	19.429	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	82003	20.416	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8893	19.820	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	51361	19.918	ug/l	99
94) Hexachlorobutadiene	15.111	225	27973	19.943	ug/l	99
95) Naphthalene	15.233	128	121572	18.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	46926	20.150	ug/l	99

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

