

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080923\
 Data File : VY015002.D
 Acq On : 09 Aug 2023 13:55
 Operator : SY/MD
 Sample : VY0809SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0809SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 01:44:15 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	7.783	168	322762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	529754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	478074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	243503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	212383	54.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.580%			
35) Dibromofluoromethane	7.710	113	186153	54.950	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.900%			
50) Toluene-d8	10.173	98	669650	51.934	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.860%			
62) 4-Bromofluorobenzene	12.477	95	245402	53.699	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	41236	21.028	ug/l	97
3) Chloromethane	2.107	50	50615	19.926	ug/l	98
4) Vinyl Chloride	2.241	62	59044	18.864	ug/l	98
5) Bromomethane	2.625	94	39800	17.052	ug/l	100
6) Chloroethane	2.778	64	41314	19.117	ug/l #	88
7) Trichlorofluoromethane	3.113	101	101307	20.482	ug/l	98
8) Diethyl Ether	3.522	74	38740	21.226	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	58694	20.046	ug/l	95
10) Methyl Iodide	4.076	142	65225	21.546	ug/l	99
11) Tert butyl alcohol	4.936	59	137430	145.564	ug/l #	97
12) 1,1-Dichloroethene	3.857	96	50179	19.669	ug/l	93
13) Acrolein	3.723	56	49490	154.088	ug/l	99
14) Allyl chloride	4.466	41	88392	20.806	ug/l	96
15) Acrylonitrile	5.155	53	122840	110.166	ug/l	99
16) Acetone	3.948	43	152566	125.067	ug/l	95
17) Carbon Disulfide	4.180	76	101804	18.049	ug/l	98
18) Methyl Acetate	4.473	43	113342	25.514	ug/l	95
19) Methyl tert-butyl Ether	5.210	73	210556	21.815	ug/l	99
20) Methylene Chloride	4.704	84	147196	24.120	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	56947	19.583	ug/l	96
22) Diisopropyl ether	6.113	45	209586	21.180	ug/l	93
23) Vinyl Acetate	6.052	43	570066	95.832	ug/l	96
24) 1,1-Dichloroethane	6.003	63	116428	20.743	ug/l	99
25) 2-Butanone	6.984	43	205015	117.338	ug/l	98
26) 2,2-Dichloropropane	6.972	77	111369	19.609	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	74777	20.320	ug/l	99
28) Bromochloromethane	7.332	49	54265	21.446	ug/l	91
29) Tetrahydrofuran	7.344	42	113580	110.852	ug/l	90
30) Chloroform	7.496	83	128146	21.017	ug/l	99
31) Cyclohexane	7.783	56	86504	19.213	ug/l #	90
32) 1,1,1-Trichloroethane	7.698	97	112089	20.860	ug/l	98
36) 1,1-Dichloropropene	7.911	75	82931	19.718	ug/l	99
37) Ethyl Acetate	7.070	43	73963	22.155	ug/l #	95
38) Carbon Tetrachloride	7.893	117	95042	20.101	ug/l	96
39) Methylcyclohexane	9.179	83	95194	19.033	ug/l	96
40) Benzene	8.155	78	247877	20.015	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	40793m	25.144	ug/l	
42) 1,2-Dichloroethane	8.228	62	92482	21.453	ug/l	94
43) Isopropyl Acetate	8.271	43	135934	21.916	ug/l	97
44) Trichloroethene	8.935	130	75630	21.283	ug/l	98
45) 1,2-Dichloropropane	9.210	63	68096	20.689	ug/l	100
46) Dibromomethane	9.301	93	44494	20.985	ug/l	97
47) Bromodichloromethane	9.490	83	103629	21.224	ug/l	99
48) Methyl methacrylate	9.289	41	60930	22.389	ug/l	93
49) 1,4-Dioxane	9.301	88	17796	451.230	ug/l #	66
51) 4-Methyl-2-Pentanone	10.063	43	394530	112.872	ug/l	94
52) Toluene	10.240	92	161558	20.272	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	108468	21.332	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	114576	20.856	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	64440	20.911	ug/l	99
56) Ethyl methacrylate	10.508	69	94869	21.499	ug/l	92
57) 1,3-Dichloropropane	10.789	76	107585	21.101	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.777	63	227178	108.883	ug/l	93
59) 2-Hexanone	10.825	43	300940	116.549	ug/l	92
60) Dibromochloromethane	10.984	129	78749	21.461	ug/l	99
61) 1,2-Dibromoethane	11.087	107	63610	21.625	ug/l	100
64) Tetrachloroethene	10.715	164	88613	24.641	ug/l	98
65) Chlorobenzene	11.514	112	185033	20.397	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	75150	21.141	ug/l	99
67) Ethyl Benzene	11.587	91	325540	20.448	ug/l	100
68) m/p-Xylenes	11.697	106	250796	41.180	ug/l	96
69) o-Xylene	12.026	106	124409	20.876	ug/l	97
70) Styrene	12.038	104	207784	20.402	ug/l	99
71) Bromoform	12.203	173	52936	21.605	ug/l #	100
73) Isopropylbenzene	12.325	105	325978	19.915	ug/l	99
74) N-amyl acetate	12.142	43	114098	20.402	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	81344	20.335	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	60825m	20.847	ug/l	
77) Bromobenzene	12.605	156	81080	20.421	ug/l	98
78) n-propylbenzene	12.666	91	392225	20.034	ug/l	100
79) 2-Chlorotoluene	12.752	91	227991	20.433	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	277043	20.538	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	28102	21.218	ug/l	99
82) 4-Chlorotoluene	12.849	91	234478	20.328	ug/l	100
83) tert-Butylbenzene	13.069	119	246985	20.016	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	286571	21.205	ug/l	99
85) sec-Butylbenzene	13.251	105	363619	20.078	ug/l	99
86) p-Isopropyltoluene	13.367	119	300142	20.021	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	159411	20.512	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	160053	20.651	ug/l	99
89) n-Butylbenzene	13.690	91	283480	20.126	ug/l	96
90) Hexachloroethane	13.959	117	59566	20.461	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	148255	20.670	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17194	22.014	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	98163	21.387	ug/l	98
94) Hexachlorobutadiene	15.111	225	52741	21.191	ug/l	99
95) Naphthalene	15.233	128	241288	22.343	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	88481	21.298	ug/l	98

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

