

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062823\
 Data File : VY014473.D
 Acq On : 28 Jun 2023 12:15
 Operator : KP/MD
 Sample : VY0628SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0628SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/29/2023
 Supervised By :Mahesh Dadoda 06/29/2023

Quant Time: Jun 29 02:15:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	257490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	373903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	345493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	151370	47.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.700%		
35) Dibromofluoromethane	7.716	113	118295	51.209	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.420%		
50) Toluene-d8	10.179	98	459492	50.039	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.080%		
62) 4-Bromofluorobenzene	12.483	95	160290	48.894	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.780%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	54814	22.933	ug/l	96
3) Chloromethane	2.113	50	51366	21.960	ug/l	100
4) Vinyl Chloride	2.247	62	54895	21.533	ug/l	94
5) Bromomethane	2.631	94	45884	20.485	ug/l	99
6) Chloroethane	2.784	64	34668	20.530	ug/l	89
7) Trichlorofluoromethane	3.119	101	106817	21.222	ug/l	98
8) Diethyl Ether	3.528	74	29830	19.439	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.893	101	50508	21.232	ug/l	96
10) Methyl Iodide	4.082	142	56722	19.880	ug/l	96
11) Tert butyl alcohol	4.954	59	45939	94.118	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	50098	21.119	ug/l	90
13) Acrolein	3.723	56	36930	89.270	ug/l	98
14) Allyl chloride	4.479	41	75321	19.881	ug/l	93
15) Acrylonitrile	5.161	53	81035	94.436	ug/l	99
16) Acetone	3.942	43	84510	84.008	ug/l	95
17) Carbon Disulfide	4.186	76	153450	20.904	ug/l	98
18) Methyl Acetate	4.472	43	65787	19.023	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	143113	19.615	ug/l	99
20) Methylene Chloride	4.710	84	58165	16.272	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	53954	20.686	ug/l	97
22) Diisopropyl ether	6.119	45	150408	19.978	ug/l	94
23) Vinyl Acetate	6.058	43	449320	116.890	ug/l	96
24) 1,1-Dichloroethane	6.015	63	91228	20.405	ug/l	98
25) 2-Butanone	6.984	43	111111	88.678	ug/l	97
26) 2,2-Dichloropropane	6.978	77	93173	19.710	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	58448	19.907	ug/l	98
28) Bromochloromethane	7.332	49	39724	20.374	ug/l	87
29) Tetrahydrofuran	7.350	42	70185	93.940	ug/l	91
30) Chloroform	7.502	83	101442	20.114	ug/l	99
31) Cyclohexane	7.783	56	80994	20.511	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	98684	20.557	ug/l	98
36) 1,1-Dichloropropene	7.917	75	73799	20.731	ug/l	98
37) Ethyl Acetate	7.070	43	47477	19.352	ug/l	98
38) Carbon Tetrachloride	7.899	117	94691	21.138	ug/l	99
39) Methylcyclohexane	9.185	83	85486	20.873	ug/l	97
40) Benzene	8.161	78	212451	21.071	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	24836m	20.428	ug/l	
42) 1,2-Dichloroethane	8.240	62	77809	20.355	ug/l	100
43) Isopropyl Acetate	8.271	43	85181	19.664	ug/l	95
44) Trichloroethene	8.935	130	59732	20.635	ug/l	93
45) 1,2-Dichloropropane	9.216	63	50396	21.199	ug/l	96
46) Dibromomethane	9.307	93	33533	20.641	ug/l	98
47) Bromodichloromethane	9.496	83	78216	20.657	ug/l	92
48) Methyl methacrylate	9.295	41	39593	19.679	ug/l	94
49) 1,4-Dioxane	9.301	88	10106	397.848	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	247077	101.058	ug/l	98
52) Toluene	10.246	92	138697	21.380	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	81958	19.964	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	87805	20.736	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	44928	20.653	ug/l	98
56) Ethyl methacrylate	10.508	69	61363	19.751	ug/l	95
57) 1,3-Dichloropropane	10.788	76	76194	20.824	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	149594	102.794	ug/l	95
59) 2-Hexanone	10.831	43	180967	98.228	ug/l	99
60) Dibromochloromethane	10.983	129	60139	20.840	ug/l	100
61) 1,2-Dibromoethane	11.087	107	44952	20.754	ug/l	99
64) Tetrachloroethene	10.721	164	63517	21.604	ug/l	96
65) Chlorobenzene	11.514	112	147288	20.751	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	58531	20.471	ug/l	99
67) Ethyl Benzene	11.593	91	260002	20.571	ug/l	100
68) m/p-Xylenes	11.703	106	206853	41.902	ug/l	99
69) o-Xylene	12.032	106	96551	20.554	ug/l	100
70) Styrene	12.044	104	167070	20.752	ug/l	99
71) Bromoform	12.209	173	42910	20.307	ug/l #	100
73) Isopropylbenzene	12.331	105	262280	20.824	ug/l	99
74) N-amyl acetate	12.142	43	77196	19.353	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	55317	20.551	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	44593m	19.005	ug/l	
77) Bromobenzene	12.605	156	67846	20.717	ug/l	92
78) n-propylbenzene	12.672	91	318248	20.944	ug/l	98
79) 2-Chlorotoluene	12.758	91	178641	20.585	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	223853	20.545	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	19496	18.916	ug/l	92
82) 4-Chlorotoluene	12.855	91	191314	20.694	ug/l	99
83) tert-Butylbenzene	13.075	119	193579	20.724	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	223100	20.664	ug/l	99
85) sec-Butylbenzene	13.251	105	283351	20.977	ug/l	99
86) p-Isopropyltoluene	13.367	119	242569	20.741	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	130514	20.662	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	131837	20.761	ug/l	100
89) n-Butylbenzene	13.696	91	221916	20.768	ug/l	99
90) Hexachloroethane	13.959	117	46906	21.082	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	117741	20.418	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11692	19.653	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	74008	19.754	ug/l	99
94) Hexachlorobutadiene	15.111	225	46935	20.856	ug/l	96
95) Naphthalene	15.233	128	149865	18.606	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	67655	19.832	ug/l	99

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

