

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014520.D
 Acq On : 30 Jun 2023 17:05
 Operator : KP/MD
 Sample : VY0630SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0630SBS01

Quant Time: Jun 30 23:18:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 07/03/2023
 Supervised By :Mahesh Dadoda 07/03/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	399197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	601675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	561152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	303550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	200321	50.444	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.880%			
35) Dibromofluoromethane	7.710	113	193401	52.198	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.400%			
50) Toluene-d8	10.179	98	762171	52.036	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.477	95	265518	52.206	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	66873	20.670	ug/l	99
3) Chloromethane	2.107	50	90706	19.619	ug/l	100
4) Vinyl Chloride	2.241	62	106784	20.038	ug/l	97
5) Bromomethane	2.625	94	83198	20.134	ug/l	97
6) Chloroethane	2.778	64	68385	19.930	ug/l	99
7) Trichlorofluoromethane	3.113	101	129425	19.997	ug/l	99
8) Diethyl Ether	3.521	74	47555	19.405	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	74815	19.357	ug/l	97
10) Methyl Iodide	4.082	142	86303	19.568	ug/l	93
11) Tert butyl alcohol	4.954	59	65964	82.969	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	73973	19.756	ug/l	85
13) Acrolein	3.717	56	49353	93.391	ug/l	97
14) Allyl chloride	4.466	41	105197	18.640	ug/l #	87
15) Acrylonitrile	5.161	53	113965	81.009	ug/l	99
16) Acetone	3.942	43	112994	91.113	ug/l	92
17) Carbon Disulfide	4.180	76	229217	20.089	ug/l	98
18) Methyl Acetate	4.473	43	91111	16.139	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	197289	18.333	ug/l	99
20) Methylene Chloride	4.704	84	102989	19.881	ug/l #	84
21) trans-1,2-Dichloroethene	5.210	96	82502	19.466	ug/l	94
22) Diisopropyl ether	6.112	45	222282	19.115	ug/l	89
23) Vinyl Acetate	6.051	43	605709	90.029	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	137772	18.872	ug/l	99
25) 2-Butanone	6.978	43	154247	84.000	ug/l	92
26) 2,2-Dichloropropane	6.972	77	120810	19.415	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	93231	19.392	ug/l	89
28) Bromochloromethane	7.326	49	61954	20.211	ug/l #	81
29) Tetrahydrofuran	7.344	42	96927	81.834	ug/l #	86
30) Chloroform	7.496	83	144969	19.037	ug/l	93
31) Cyclohexane	7.777	56	117146	18.803	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	124471	19.122	ug/l	96
36) 1,1-Dichloropropene	7.911	75	108575	19.135	ug/l	97
37) Ethyl Acetate	7.064	43	64258	16.513	ug/l #	93
38) Carbon Tetrachloride	7.893	117	113372	19.140	ug/l	99
39) Methylcyclohexane	9.179	83	126142	18.599	ug/l	95
40) Benzene	8.155	78	329721	19.197	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	30120m	15.844	ug/l	
42) 1,2-Dichloroethane	8.228	62	93470	18.515	ug/l	93
43) Isopropyl Acetate	8.271	43	111193	16.862	ug/l #	91
44) Trichloroethene	8.935	130	93278	19.480	ug/l	93
45) 1,2-Dichloropropane	9.209	63	82253	18.668	ug/l	99
46) Dibromomethane	9.301	93	49187	18.337	ug/l	94
47) Bromodichloromethane	9.490	83	110990	18.779	ug/l	100
48) Methyl methacrylate	9.289	41	49795	16.605	ug/l #	79
49) 1,4-Dioxane	9.295	88	16070	335.495	ug/l #	65
51) 4-Methyl-2-Pentanone	10.063	43	322028	82.485	ug/l	90
52) Toluene	10.240	92	209291	19.364	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	117216	18.546	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	132654	18.811	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	71142	18.227	ug/l	98
56) Ethyl methacrylate	10.508	69	92688	17.457	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	116175	18.267	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	240195	93.382	ug/l	95
59) 2-Hexanone	10.831	43	237719	84.293	ug/l	88
60) Dibromochloromethane	10.984	129	84854	18.553	ug/l	100
61) 1,2-Dibromoethane	11.087	107	69308	18.188	ug/l	100
64) Tetrachloroethene	10.715	164	95443	19.026	ug/l	97
65) Chlorobenzene	11.514	112	225917	18.891	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	85820	18.881	ug/l	99
67) Ethyl Benzene	11.587	91	384027	18.831	ug/l	98
68) m/p-Xylenes	11.697	106	306881	37.937	ug/l	94
69) o-Xylene	12.026	106	146573	19.104	ug/l	94
70) Styrene	12.038	104	251417	19.046	ug/l	96
71) Bromoform	12.203	173	62138	17.995	ug/l	99
73) Isopropylbenzene	12.325	105	378477	19.038	ug/l	100
74) N-amyl acetate	12.142	43	101542	16.923	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	87869	17.223	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	59139m	16.603	ug/l	
77) Bromobenzene	12.605	156	102867	18.945	ug/l	93
78) n-propylbenzene	12.666	91	460531	18.990	ug/l	98
79) 2-Chlorotoluene	12.752	91	263997	18.916	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	322092	19.138	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	30629	16.737	ug/l	89
82) 4-Chlorotoluene	12.849	91	279839	19.139	ug/l	97
83) tert-Butylbenzene	13.069	119	280238	18.946	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	321708	19.156	ug/l	96
85) sec-Butylbenzene	13.251	105	414264	18.980	ug/l	99
86) p-Isopropyltoluene	13.367	119	348128	18.953	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	198731	18.719	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	199377	18.739	ug/l	99
89) n-Butylbenzene	13.696	91	321616	18.946	ug/l	98
90) Hexachloroethane	13.959	117	67659	18.596	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	181179	18.840	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14995	16.054	ug/l	81
93) 1,2,4-Trichlorobenzene	15.001	180	116350	18.732	ug/l	99
94) Hexachlorobutadiene	15.111	225	73549	19.266	ug/l	97
95) Naphthalene	15.233	128	224333	16.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	105460	18.634	ug/l	99

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

