

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014579.D
 Acq On : 06 Jul 2023 11:30
 Operator : KP/MD
 Sample : VY0706SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2023
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 06 11:44:35 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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	340446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	482058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	445695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	242732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	158508	46.803	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.600%		
35) Dibromofluoromethane	7.710	113	152613	51.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.820%		
50) Toluene-d8	10.179	98	578320	49.282	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.560%		
62) 4-Bromofluorobenzene	12.477	95	202608	49.721	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	62520	23.150	ug/l	95
3) Chloromethane	2.107	50	83808	21.256	ug/l	99
4) Vinyl Chloride	2.241	62	99975	21.998	ug/l	100
5) Bromomethane	2.619	94	85097	24.147	ug/l	97
6) Chloroethane	2.777	64	62305	21.291	ug/l	100
7) Trichlorofluoromethane	3.107	101	120134	21.765	ug/l	99
8) Diethyl Ether	3.521	74	40302	19.284	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	68809	20.875	ug/l	98
10) Methyl Iodide	4.076	142	63632	16.917	ug/l	92
11) Tert butyl alcohol	4.930	59	108673	179.771	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	65183	20.413	ug/l	88
13) Acrolein	3.722	56	43395	96.302	ug/l	97
14) Allyl chloride	4.472	41	89081	18.509	ug/l #	87
15) Acrylonitrile	5.155	53	108557	90.481	ug/l	98
16) Acetone	3.942	43	98901	93.511	ug/l #	88
17) Carbon Disulfide	4.186	76	193777	19.913	ug/l	100
18) Methyl Acetate	4.472	43	89578	18.606	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	168503	18.361	ug/l	99
20) Methylene Chloride	4.704	84	88556	20.093	ug/l #	87
21) trans-1,2-Dichloroethene	5.204	96	66106	18.289	ug/l	93
22) Diisopropyl ether	6.112	45	178703	18.019	ug/l #	91
23) Vinyl Acetate	6.051	43	518121	90.300	ug/l	95
24) 1,1-Dichloroethane	6.009	63	112556	18.079	ug/l	99
25) 2-Butanone	6.978	43	145170	92.700	ug/l	92
26) 2,2-Dichloropropane	6.972	77	99381	18.728	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	74342	18.132	ug/l	93
28) Bromochloromethane	7.325	49	53253	20.370	ug/l	86
29) Tetrahydrofuran	7.344	42	95902	94.941	ug/l #	87
30) Chloroform	7.502	83	119143	18.345	ug/l	92
31) Cyclohexane	7.783	56	97489	18.348	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	104243	18.778	ug/l	97
36) 1,1-Dichloropropene	7.911	75	90409	19.887	ug/l	96
37) Ethyl Acetate	7.069	43	61415	19.699	ug/l #	91
38) Carbon Tetrachloride	7.892	117	97870	20.623	ug/l	94
39) Methylcyclohexane	9.179	83	110754	20.382	ug/l	94
40) Benzene	8.155	78	261659	19.015	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	32289m	21.200	ug/l	
42) 1,2-Dichloroethane	8.228	62	80857	19.991	ug/l	93
43) Isopropyl Acetate	8.270	43	100056	18.938	ug/l #	90
44) Trichloroethene	8.935	130	76788	20.016	ug/l	95
45) 1,2-Dichloropropane	9.209	63	66696	18.893	ug/l	99
46) Dibromomethane	9.301	93	43099	20.054	ug/l	92
47) Bromodichloromethane	9.490	83	91835	19.394	ug/l	97
48) Methyl methacrylate	9.289	41	46701	19.438	ug/l #	78
49) 1,4-Dioxane	9.295	88	15167	395.214	ug/l #	59
51) 4-Methyl-2-Pentanone	10.069	43	310500	99.267	ug/l	90
52) Toluene	10.240	92	167253	19.314	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	97766	19.307	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	113899	20.160	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	61543	19.680	ug/l	98
56) Ethyl methacrylate	10.508	69	81367	19.128	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	98624	19.356	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	214262	103.969	ug/l	95
59) 2-Hexanone	10.825	43	225941	99.997	ug/l	87
60) Dibromochloromethane	10.977	129	73330	20.012	ug/l	98
61) 1,2-Dibromoethane	11.081	107	60715	19.887	ug/l	99
64) Tetrachloroethene	10.715	164	84538	21.218	ug/l	95
65) Chlorobenzene	11.514	112	185928	19.575	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	72964	20.212	ug/l	98
67) Ethyl Benzene	11.587	91	312622	19.301	ug/l	98
68) m/p-Xylenes	11.697	106	248862	38.734	ug/l	93
69) o-Xylene	12.026	106	115651	18.979	ug/l	96
70) Styrene	12.038	104	203670	19.426	ug/l	96
71) Bromoform	12.203	173	57282	20.886	ug/l #	99
73) Isopropylbenzene	12.325	105	306496	19.280	ug/l	99
74) N-amyl acetate	12.142	43	90313	18.823	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	81698	20.026	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	54755m	19.223	ug/l	
77) Bromobenzene	12.605	156	86823	19.996	ug/l	91
78) n-propylbenzene	12.666	91	381954	19.697	ug/l	99
79) 2-Chlorotoluene	12.751	91	216194	19.372	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	264988	19.690	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	27501	18.793	ug/l	89
82) 4-Chlorotoluene	12.849	91	226251	19.352	ug/l	96
83) tert-Butylbenzene	13.068	119	239120	20.217	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	267521	19.920	ug/l	97
85) sec-Butylbenzene	13.251	105	346391	19.847	ug/l	99
86) p-Isopropyltoluene	13.367	119	288929	19.671	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	167342	19.712	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	165928	19.503	ug/l	99
89) n-Butylbenzene	13.690	91	266745	19.651	ug/l	98
90) Hexachloroethane	13.958	117	57553	19.781	ug/l	83
91) 1,2-Dichlorobenzene	13.733	146	152446	19.824	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15552	20.822	ug/l	84
93) 1,2,4-Trichlorobenzene	15.001	180	99274	19.987	ug/l	98
94) Hexachlorobutadiene	15.105	225	66169	21.676	ug/l	99
95) Naphthalene	15.233	128	199944	18.921	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	90217	19.935	ug/l	98

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

