

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014399.D
 Acq On : 23 Jun 2023 11:05
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

Quant Time: Jun 23 12:56:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 12:54:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	261778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	386723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	360216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	194802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	62486	19.225	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.460%#		
35) Dibromofluoromethane	7.722	113	47537	19.896	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.800%#		
50) Toluene-d8	10.179	98	184892	19.467	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	12.483	95	64547	19.037	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	54464	22.414	ug/l	98
3) Chloromethane	2.113	50	50035	21.041	ug/l	98
4) Vinyl Chloride	2.247	62	53658	20.703	ug/l	100
5) Bromomethane	2.631	94	47275	20.760	ug/l	100
6) Chloroethane	2.784	64	35051	20.417	ug/l	100
7) Trichlorofluoromethane	3.119	101	106540	20.821	ug/l	99
8) Diethyl Ether	3.528	74	32157	20.612	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.900	101	49677	20.541	ug/l	97
10) Methyl Iodide	4.088	142	53680	18.704	ug/l	94
11) Tert butyl alcohol	4.954	59	62332	139.280	ug/l #	88
12) 1,1-Dichloroethene	3.869	96	48937	20.292	ug/l	95
13) Acrolein	3.723	56	47172	111.045	ug/l	96
14) Allyl chloride	4.473	41	76803	19.940	ug/l	94
15) Acrylonitrile	5.155	53	90022	103.191	ug/l	100
16) Acetone	3.948	43	97252	95.091	ug/l	100
17) Carbon Disulfide	4.192	76	157076	21.047	ug/l	97
18) Methyl Acetate	4.473	43	71571	20.356	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	145920	19.672	ug/l	99
20) Methylene Chloride	4.710	84	71507	20.985	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	53682	20.244	ug/l	96
22) Diisopropyl ether	6.119	45	149302	19.506	ug/l	94
23) Vinyl Acetate	6.064	43	389758m	96.421	ug/l	
24) 1,1-Dichloroethane	6.015	63	90685	19.952	ug/l	97
25) 2-Butanone	6.990	43	125591	98.593	ug/l	97
26) 2,2-Dichloropropane	6.978	77	94744	19.714	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	59426	19.908	ug/l	96
28) Bromochloromethane	7.332	49	41243	20.806	ug/l	86
29) Tetrahydrofuran	7.344	42	77735	102.342	ug/l	90
30) Chloroform	7.509	83	100542	19.609	ug/l	94
31) Cyclohexane	7.783	56	78983	19.674	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	97599	19.998	ug/l	97
36) 1,1-Dichloropropene	7.917	75	75360	20.468	ug/l	100
37) Ethyl Acetate	7.076	43	51324	20.227	ug/l	99
38) Carbon Tetrachloride	7.899	117	92462	19.956	ug/l	98
39) Methylcyclohexane	9.185	83	87375	20.627	ug/l	94
40) Benzene	8.161	78	207539	19.902	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	25022m	19.769	ug/l	
42) 1,2-Dichloroethane	8.234	62	78513	19.858	ug/l	99
43) Isopropyl Acetate	8.271	43	89332	19.938	ug/l	97
44) Trichloroethene	8.941	130	59683	19.934	ug/l	97
45) 1,2-Dichloropropane	9.216	63	49003	19.930	ug/l	94
46) Dibromomethane	9.307	93	34185	20.345	ug/l	98
47) Bromodichloromethane	9.496	83	77336	19.747	ug/l	99
48) Methyl methacrylate	9.295	41	42096	20.229	ug/l	96
49) 1,4-Dioxane	9.301	88	10835	412.407	ug/l #	46
51) 4-Methyl-2-Pentanone	10.069	43	256118	101.283	ug/l	97
52) Toluene	10.246	92	133163	19.846	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	83461	19.657	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	86604	19.775	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	45448	20.199	ug/l	91
56) Ethyl methacrylate	10.508	69	63022	19.613	ug/l	95
57) 1,3-Dichloropropane	10.789	76	75933	20.064	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	158416	105.248	ug/l	93
59) 2-Hexanone	10.831	43	194192	101.913	ug/l	98
60) Dibromochloromethane	10.984	129	59219	19.841	ug/l	98
61) 1,2-Dibromoethane	11.087	107	45383	20.258	ug/l	97
64) Tetrachloroethene	10.721	164	63194	20.616	ug/l	93
65) Chlorobenzene	11.514	112	146600	19.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	59165	19.847	ug/l	98
67) Ethyl Benzene	11.593	91	260520	19.770	ug/l	98
68) m/p-Xylenes	11.703	106	207615	40.337	ug/l	98
69) o-Xylene	12.032	106	96469	19.697	ug/l	98
70) Styrene	12.044	104	166090	19.787	ug/l	100
71) Bromoform	12.209	173	43728	19.848	ug/l #	99
73) Isopropylbenzene	12.331	105	256881	19.584	ug/l	100
74) N-amyl acetate	12.142	43	80906	19.476	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	55281	19.720	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	46531m	18.997	ug/l	
77) Bromobenzene	12.605	156	68878	20.196	ug/l	91
78) n-propylbenzene	12.672	91	315960	19.966	ug/l	98
79) 2-Chlorotoluene	12.758	91	177819	19.675	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	227386	20.039	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21501	20.032	ug/l	96
82) 4-Chlorotoluene	12.855	91	192489	19.993	ug/l	99
83) tert-Butylbenzene	13.075	119	188618	19.390	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	224441	19.961	ug/l	99
85) sec-Butylbenzene	13.251	105	279700	19.883	ug/l	99
86) p-Isopropyltoluene	13.367	119	243321	19.978	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	131643	20.012	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	131845	19.936	ug/l	99
89) n-Butylbenzene	13.697	91	221236	19.880	ug/l	99
90) Hexachloroethane	13.959	117	45337	19.567	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	118651	19.757	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12841	20.726	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	76749	19.671	ug/l	98
94) Hexachlorobutadiene	15.111	225	47575	20.299	ug/l	98
95) Naphthalene	15.233	128	162878	19.417	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	70258	19.776	ug/l	99

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

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