

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014097.D
 Acq On : 09 Jun 2023 14:45
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 09 17:42:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 17:38:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/12/2023
 Supervised By :Mahesh Dadoda 06/12/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	216761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	331530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	309584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	63969	21.193	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	42.380%#		
35) Dibromofluoromethane	7.716	113	49797	21.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.360%#		
50) Toluene-d8	10.179	98	192909	21.947	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	43.900%#		
62) 4-Bromofluorobenzene	12.483	95	65366	20.934	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	54962	22.752	ug/l	96
3) Chloromethane	2.113	50	63414	20.702	ug/l	99
4) Vinyl Chloride	2.253	62	62531	20.997	ug/l	93
5) Bromomethane	2.649	94	53358	21.715	ug/l	95
6) Chloroethane	2.790	64	41174	20.346	ug/l	93
7) Trichlorofluoromethane	3.125	101	104143	21.525	ug/l	99
8) Diethyl Ether	3.527	74	32003	19.810	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	51226	20.979	ug/l	96
10) Methyl Iodide	4.088	142	62812	19.481	ug/l	97
11) Tert butyl alcohol	4.936	59	48837	134.670	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	52679	21.285	ug/l	97
13) Acrolein	3.729	56	22929	152.399	ug/l	100
14) Allyl chloride	4.478	41	90092	20.082	ug/l	99
15) Acrylonitrile	5.167	53	83280	99.943	ug/l	100
16) Acetone	3.954	43	86330	94.884	ug/l	93
17) Carbon Disulfide	4.192	76	170199	21.222	ug/l	100
18) Methyl Acetate	4.478	43	70602	19.992	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	143522	19.662	ug/l	97
20) Methylene Chloride	4.716	84	68496	21.540	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	55153	19.980	ug/l	97
22) Diisopropyl ether	6.118	45	171493	19.965	ug/l	99
23) Vinyl Acetate	6.057	43	511655	100.958	ug/l	99
24) 1,1-Dichloroethane	6.015	63	99506	20.092	ug/l	98
25) 2-Butanone	6.990	43	109690	97.939	ug/l	98
26) 2,2-Dichloropropane	6.984	77	93324	20.063	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	60306	19.529	ug/l	98
28) Bromochloromethane	7.332	49	42210	20.958	ug/l	96
29) Tetrahydrofuran	7.350	42	72781	102.480	ug/l	98
30) Chloroform	7.508	83	106858	20.338	ug/l	94
31) Cyclohexane	7.783	56	86053	21.282	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	96590	20.383	ug/l	99
36) 1,1-Dichloropropene	7.917	75	78205	21.336	ug/l	99
37) Ethyl Acetate	7.076	43	52163	20.625	ug/l	98
38) Carbon Tetrachloride	7.899	117	88898	21.017	ug/l	97
39) Methylcyclohexane	9.185	83	86532	21.277	ug/l	98
40) Benzene	8.161	78	224536	20.600	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	24646	18.616	ug/l	97
42) 1,2-Dichloroethane	8.240	62	78757	20.433	ug/l	99
43) Isopropyl Acetate	8.270	43	91248	20.585	ug/l #	88
44) Trichloroethene	8.941	130	60451	20.759	ug/l	95
45) 1,2-Dichloropropane	9.215	63	55182	19.932	ug/l	99
46) Dibromomethane	9.307	93	34095	20.007	ug/l	98
47) Bromodichloromethane	9.496	83	80173	20.093	ug/l	95
48) Methyl methacrylate	9.295	41	41753	20.195	ug/l	99
49) 1,4-Dioxane	9.307	88	9286	415.260	ug/l #	54
51) 4-Methyl-2-Pentanone	10.069	43	248570	103.216	ug/l	100
52) Toluene	10.240	92	142579	21.102	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	84673	20.158	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	92940	20.279	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	45905	20.309	ug/l	94
56) Ethyl methacrylate	10.508	69	63114	20.244	ug/l	98
57) 1,3-Dichloropropane	10.788	76	78383	20.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	86051	83.316	ug/l	98
59) 2-Hexanone	10.831	43	177857	102.253	ug/l	98
60) Dibromochloromethane	10.983	129	59633	20.613	ug/l	99
61) 1,2-Dibromoethane	11.087	107	44430	19.917	ug/l	98
64) Tetrachloroethene	10.721	164	55106	20.883	ug/l	97
65) Chlorobenzene	11.514	112	151333	20.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	58865	20.119	ug/l	99
67) Ethyl Benzene	11.593	91	264924	20.346	ug/l	99
68) m/p-Xylenes	11.703	106	206309	41.193	ug/l	100
69) o-Xylene	12.032	106	96512	20.382	ug/l	99
70) Styrene	12.044	104	165364	20.462	ug/l	99
71) Bromoform	12.209	173	40754	20.339	ug/l #	98
73) Isopropylbenzene	12.331	105	256661	20.767	ug/l	100
74) N-amyl acetate	12.142	43	78816	20.124	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	56963	20.627	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	44418m	21.521	ug/l	
77) Bromobenzene	12.611	156	66146	20.363	ug/l	95
78) n-propylbenzene	12.672	91	311439	20.631	ug/l	99
79) 2-Chlorotoluene	12.757	91	179894	20.711	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	220054	20.794	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	20440	20.787	ug/l	99
82) 4-Chlorotoluene	12.855	91	188831	20.515	ug/l	99
83) tert-Butylbenzene	13.074	119	188118	20.918	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	219219	20.927	ug/l	100
85) sec-Butylbenzene	13.251	105	273386	20.910	ug/l	100
86) p-Isopropyltoluene	13.373	119	235697	21.064	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	126983	20.474	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	129097	20.659	ug/l	99
89) n-Butylbenzene	13.696	91	214976	20.714	ug/l	99
90) Hexachloroethane	13.965	117	44498	19.957	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	114757	20.602	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11327	21.538	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	73581	20.852	ug/l	99
94) Hexachlorobutadiene	15.111	225	43779	21.490	ug/l	99
95) Naphthalene	15.239	128	143462	20.030	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	66647	20.902	ug/l	99

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

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