

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014098.D
 Acq On : 09 Jun 2023 16:04
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY060923

Manual Integrations
 APPROVED

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

Quant Time: Jun 09 18:10:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	208988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	326949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	300887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	128716	44.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.460%		
35) Dibromofluoromethane	7.716	113	113209	48.825	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.660%		
50) Toluene-d8	10.179	98	399938	46.137	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.280%		
62) 4-Bromofluorobenzene	12.483	95	147630	47.943	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	110272	47.345	ug/l	99
3) Chloromethane	2.113	50	139736	47.316	ug/l	99
4) Vinyl Chloride	2.253	62	138173	48.122	ug/l	98
5) Bromomethane	2.656	94	103185	43.555	ug/l	93
6) Chloroethane	2.796	64	90548	46.409	ug/l	98
7) Trichlorofluoromethane	3.125	101	227349	48.739	ug/l	100
8) Diethyl Ether	3.528	74	73256	47.032	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	116668	49.558	ug/l	100
10) Methyl Iodide	4.088	142	166698	53.625	ug/l	99
11) Tert butyl alcohol	4.966	59	68831	200.223	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	114446	47.962	ug/l	95
13) Acrolein	3.729	56	31690	233.307	ug/l	96
14) Allyl chloride	4.473	41	215454	49.812	ug/l	97
15) Acrylonitrile	5.161	53	182513	227.177	ug/l	99
16) Acetone	3.948	43	206539	235.447	ug/l	96
17) Carbon Disulfide	4.192	76	370664	47.937	ug/l	99
18) Methyl Acetate	4.473	43	143621	42.180	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	347977	49.445	ug/l	99
20) Methylene Chloride	4.710	84	146054	52.318	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	134008	50.352	ug/l	100
22) Diisopropyl ether	6.112	45	439117	53.024	ug/l	98
23) Vinyl Acetate	6.052	43	1246789	255.163	ug/l	100
24) 1,1-Dichloroethane	6.015	63	246401	51.604	ug/l	98
25) 2-Butanone	6.984	43	255635	236.738	ug/l	99
26) 2,2-Dichloropropane	6.978	77	230876	51.481	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	156204	52.466	ug/l	99
28) Bromochloromethane	7.332	49	97788	50.360	ug/l	99
29) Tetrahydrofuran	7.344	42	151367	221.062	ug/l	99
30) Chloroform	7.503	83	262275	51.775	ug/l	99
31) Cyclohexane	7.783	56	180890	46.400	ug/l	99
32) 1,1,1-Trichloroethane	7.698	97	229251	50.178	ug/l	99
36) 1,1-Dichloropropene	7.911	75	177322	49.054	ug/l	100
37) Ethyl Acetate	7.070	43	114745	46.006	ug/l	99
38) Carbon Tetrachloride	7.899	117	204467	49.016	ug/l	96
39) Methylcyclohexane	9.185	83	199681	49.788	ug/l	95
40) Benzene	8.155	78	529635	49.273	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	53406	41.956	ug/l	99
42) 1,2-Dichloroethane	8.234	62	180617	47.517	ug/l	100
43) Isopropyl Acetate	8.271	43	195257	44.666	ug/l	98
44) Trichloroethene	8.935	130	141149	49.149	ug/l	100
45) 1,2-Dichloropropane	9.210	63	131884	48.305	ug/l	100
46) Dibromomethane	9.301	93	78141	46.495	ug/l	99
47) Bromodichloromethane	9.496	83	195510	49.684	ug/l	99
48) Methyl methacrylate	9.289	41	91197	44.728	ug/l	97
49) 1,4-Dioxane	9.301	88	17710	829.323	ug/l #	39
51) 4-Methyl-2-Pentanone	10.069	43	526866	221.841	ug/l	100
52) Toluene	10.240	92	333079	49.987	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	202846	48.967	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	223047	49.350	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	106522	47.787	ug/l	96
56) Ethyl methacrylate	10.508	69	143693	46.735	ug/l	98
57) 1,3-Dichloropropane	10.788	76	180409	47.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	306005	225.851	ug/l	98
59) 2-Hexanone	10.831	43	382019	222.707	ug/l	100
60) Dibromochloromethane	10.984	129	137553	48.212	ug/l	100
61) 1,2-Dibromoethane	11.087	107	103283	46.948	ug/l	98
64) Tetrachloroethene	10.721	164	123223	48.047	ug/l	97
65) Chlorobenzene	11.514	112	353798	48.936	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	140163	49.290	ug/l	100
67) Ethyl Benzene	11.593	91	636210	50.273	ug/l	98
68) m/p-Xylenes	11.703	106	492681	101.215	ug/l	100
69) o-Xylene	12.026	106	233150	50.662	ug/l	99
70) Styrene	12.044	104	402417	51.234	ug/l	99
71) Bromoform	12.209	173	90345	46.391	ug/l #	99
73) Isopropylbenzene	12.331	105	613245	50.534	ug/l	100
74) N-amyl acetate	12.142	43	177426	46.137	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	121406	44.772	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	94110m	45.092	ug/l	
77) Bromobenzene	12.605	156	155743	48.829	ug/l	95
78) n-propylbenzene	12.672	91	746185	50.342	ug/l	99
79) 2-Chlorotoluene	12.758	91	423406	49.645	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	521155	50.155	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	44131	45.708	ug/l	99
82) 4-Chlorotoluene	12.855	91	453641	50.193	ug/l	100
83) tert-Butylbenzene	13.075	119	446433	50.558	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	524076	50.952	ug/l	100
85) sec-Butylbenzene	13.251	105	651950	50.784	ug/l	100
86) p-Isopropyltoluene	13.367	119	554642	50.481	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	299835	49.236	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	299440	48.803	ug/l	99
89) n-Butylbenzene	13.697	91	524193	51.439	ug/l	99
90) Hexachloroethane	13.959	117	109759	50.133	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	266181	48.667	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21855	42.324	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	167282	48.280	ug/l	99
94) Hexachlorobutadiene	15.111	225	99280	49.631	ug/l	98
95) Naphthalene	15.239	128	315699	44.890	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	147511	47.115	ug/l	100

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

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