

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033023\
 Data File : VY013145.D
 Acq On : 30 Mar 2023 11:44
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/31/2023
 Supervised By :Mahesh Dadoda 04/03/2023

Quant Time: Mar 31 03:57:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 03:45:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	141291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	211820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	143322	94.388	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 188.780%#			
35) Dibromofluoromethane	7.716	113	134807	97.422	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 194.840%#			
50) Toluene-d8	10.179	98	509066	97.450	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 194.900%#			
62) 4-Bromofluorobenzene	12.483	95	166594	97.975	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 195.940%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	130276	94.057	ug/l	97
3) Chloromethane	2.113	50	132567	91.780	ug/l	100
4) Vinyl Chloride	2.253	62	135645	93.667	ug/l	100
5) Bromomethane	2.644	94	90586	88.635	ug/l	95
6) Chloroethane	2.790	64	84691	93.360	ug/l	99
7) Trichlorofluoromethane	3.125	101	245798	95.367	ug/l	100
8) Diethyl Ether	3.528	74	79466	98.186	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	135238	95.173	ug/l	99
10) Methyl Iodide	4.095	142	196940	106.433	ug/l	100
11) Tert butyl alcohol	4.954	59	62351	455.599	ug/l	99
12) 1,1-Dichloroethene	3.869	96	133152	96.934	ug/l	99
13) Acrolein	3.729	56	94728	493.239	ug/l	99
14) Allyl chloride	4.479	41	237261	101.372	ug/l	98
15) Acrylonitrile	5.161	53	197601	491.332	ug/l	99
16) Acetone	3.942	43	242542	522.366	ug/l	99
17) Carbon Disulfide	4.198	76	436740	95.472	ug/l	100
18) Methyl Acetate	4.473	43	142465	97.378	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	359675	103.331	ug/l	97
20) Methylene Chloride	4.716	84	151048	99.561	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	151061	97.604	ug/l	98
22) Diisopropyl ether	6.119	45	450471	98.513	ug/l	97
23) Vinyl Acetate	6.058	43	1335933	513.754	ug/l	99
24) 1,1-Dichloroethane	6.015	63	259782	95.925	ug/l	100
25) 2-Butanone	6.984	43	294957	508.040	ug/l	99
26) 2,2-Dichloropropane	6.984	77	234653	96.333	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	164482	98.648	ug/l	99
28) Bromochloromethane	7.332	49	112676	96.962	ug/l	94
29) Tetrahydrofuran	7.344	42	172992	503.348	ug/l	98
30) Chloroform	7.509	83	264921	94.465	ug/l	99
31) Cyclohexane	7.789	56	236394	95.362	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	243918	98.372	ug/l	100
36) 1,1-Dichloropropene	7.917	75	207835	99.770	ug/l	99
37) Ethyl Acetate	7.076	43	117970	99.691	ug/l	99
38) Carbon Tetrachloride	7.899	117	226819	98.682	ug/l	99
39) Methylcyclohexane	9.185	83	255595	104.585	ug/l	97
40) Benzene	8.161	78	592876	98.538	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	51985m	90.433	ug/l	
42) 1,2-Dichloroethane	8.234	62	177770	96.437	ug/l	100
43) Isopropyl Acetate	8.271	43	217422	102.645	ug/l	98
44) Trichloroethene	8.941	130	162835	98.312	ug/l	98
45) 1,2-Dichloropropane	9.216	63	145812	96.780	ug/l	97
46) Dibromomethane	9.307	93	83946	96.992	ug/l	96
47) Bromodichloromethane	9.496	83	204292	97.825	ug/l	99
48) Methyl methacrylate	9.295	41	100971	102.353	ug/l	95
49) 1,4-Dioxane	9.295	88	21628	2100.544	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	581005	508.243	ug/l	100
52) Toluene	10.246	92	373906	100.184	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	216376	101.367	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	244336	100.226	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	115606	96.631	ug/l	97
56) Ethyl methacrylate	10.508	69	160577	106.753	ug/l	99
57) 1,3-Dichloropropane	10.788	76	198117	98.094	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	361127	513.449	ug/l	98
59) 2-Hexanone	10.831	43	436450	527.902	ug/l	99
60) Dibromochloromethane	10.984	129	147569	98.208	ug/l	99
61) 1,2-Dibromoethane	11.087	107	113009	97.491	ug/l	100
64) Tetrachloroethene	10.721	164	142532	98.436	ug/l	100
65) Chlorobenzene	11.514	112	394754	98.728	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	148321	98.946	ug/l	99
67) Ethyl Benzene	11.593	91	716395	103.739	ug/l	100
68) m/p-Xylenes	11.703	106	554517	207.575	ug/l	100
69) o-Xylene	12.032	106	261753	105.637	ug/l	97
70) Styrene	12.044	104	435301	105.018	ug/l	99
71) Bromoform	12.209	173	93929	101.051	ug/l	98
73) Isopropylbenzene	12.331	105	686239	105.425	ug/l	99
74) N-amyl acetate	12.142	43	193244	108.126	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	131532	96.468	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	105669m	99.775	ug/l	
77) Bromobenzene	12.611	156	164308	101.529	ug/l	95
78) n-propylbenzene	12.672	91	837296	104.617	ug/l	99
79) 2-Chlorotoluene	12.758	91	462650	101.871	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	568273	104.422	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	49558	104.329	ug/l	100
82) 4-Chlorotoluene	12.855	91	483298	102.253	ug/l	99
83) tert-Butylbenzene	13.075	119	494689	105.832	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	556853	104.485	ug/l	100
85) sec-Butylbenzene	13.251	105	736485	104.350	ug/l	100
86) p-Isopropyltoluene	13.367	119	611577	105.258	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	316459	98.645	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	316856	98.565	ug/l	99
89) n-Butylbenzene	13.696	91	572327	105.369	ug/l	99
90) Hexachloroethane	13.959	117	120268	99.363	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	281334	98.196	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21947	96.732	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	178204	106.660	ug/l	98
94) Hexachlorobutadiene	15.111	225	103636	100.858	ug/l	100
95) Naphthalene	15.239	128	360250	98.448	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	156493	106.312	ug/l	99

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

