

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013960.D
 Acq On : 01 Jun 2023 12:51
 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 06/02/2023
 Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 06:48:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 06:43:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	256839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	416959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	388827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	188418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	343097	100.912	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 201.820%#			
35) Dibromofluoromethane	7.710	113	268858	101.463	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 202.920%#			
50) Toluene-d8	10.173	98	999146	98.852	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 197.700%#			
62) 4-Bromofluorobenzene	12.477	95	349744	101.497	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 203.000%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	182318	80.676	ug/l	98
3) Chloromethane	2.107	50	293764	93.856	ug/l	99
4) Vinyl Chloride	2.247	62	262123	90.401	ug/l	98
5) Bromomethane	2.650	94	242400	96.007	ug/l	98
6) Chloroethane	2.790	64	201757	97.227	ug/l	98
7) Trichlorofluoromethane	3.119	101	384226	83.824	ug/l	100
8) Diethyl Ether	3.522	74	186257	103.648	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.887	101	194537	82.617	ug/l	99
10) Methyl Iodide	4.082	142	355745	109.620	ug/l	100
11) Tert butyl alcohol	4.979	59	238642	341.524	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	226543	91.760	ug/l	97
13) Acrolein	3.729	56	152078	475.259	ug/l	100
14) Allyl chloride	4.473	41	495162	103.346	ug/l	99
15) Acrylonitrile	5.161	53	546434	547.972	ug/l	100
16) Acetone	3.948	43	666022	572.562	ug/l	99
17) Carbon Disulfide	4.186	76	779644	93.388	ug/l	99
18) Methyl Acetate	4.473	43	471644	112.226	ug/l	100
19) Methyl tert-butyl Ether	5.210	73	876044	109.674	ug/l	99
20) Methylene Chloride	4.704	84	315520	104.646	ug/l	99
21) trans-1,2-Dichloroethene	5.210	96	274220	98.059	ug/l	96
22) Diisopropyl ether	6.112	45	990228	106.620	ug/l	98
23) Vinyl Acetate	6.052	43	3254647	558.714	ug/l	99
24) 1,1-Dichloroethane	6.009	63	514778	99.302	ug/l	99
25) 2-Butanone	6.984	43	815078	562.454	ug/l	96
26) 2,2-Dichloropropane	6.972	77	435402	92.548	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	325167	101.560	ug/l	99
28) Bromochloromethane	7.326	49	250579	102.352	ug/l	98
29) Tetrahydrofuran	7.344	42	511522	567.628	ug/l	100
30) Chloroform	7.502	83	547402	100.572	ug/l	98
31) Cyclohexane	7.777	56	328914	80.340	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	439049	95.098	ug/l	100
36) 1,1-Dichloropropene	7.911	75	353032	93.514	ug/l	99
37) Ethyl Acetate	7.070	43	361592	109.859	ug/l	99
38) Carbon Tetrachloride	7.899	117	378726	89.526	ug/l	99
39) Methylcyclohexane	9.179	83	352177	87.383	ug/l	98
40) Benzene	8.155	78	1150226	98.768	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	160420	105.453	ug/l	92
42) 1,2-Dichloroethane	8.234	62	431945	101.150	ug/l	99
43) Isopropyl Acetate	8.271	43	613658	110.726	ug/l	99
44) Trichloroethene	8.935	130	291712	95.653	ug/l	100
45) 1,2-Dichloropropane	9.210	63	305733	101.730	ug/l	98
46) Dibromomethane	9.301	93	198866	103.361	ug/l	99
47) Bromodichloromethane	9.490	83	441774	101.928	ug/l	97
48) Methyl methacrylate	9.289	41	288414	114.335	ug/l	98
49) 1,4-Dioxane	9.313	88	64903	2319.633	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	1757396	561.409	ug/l	100
52) Toluene	10.240	92	709328	99.426	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	494686	106.254	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	516431	103.894	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	263051	103.706	ug/l	98
56) Ethyl methacrylate	10.508	69	414204	113.733	ug/l	99
57) 1,3-Dichloropropane	10.788	76	451790	104.240	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	993061	526.078	ug/l	99
59) 2-Hexanone	10.831	43	1305042	575.749	ug/l	99
60) Dibromochloromethane	10.984	129	330252	103.014	ug/l	100
61) 1,2-Dibromoethane	11.087	107	264736	103.878	ug/l	100
64) Tetrachloroethene	10.715	164	246090	92.384	ug/l	98
65) Chlorobenzene	11.514	112	775138	97.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	306632	98.740	ug/l	99
67) Ethyl Benzene	11.587	91	1364765	98.842	ug/l	99
68) m/p-Xylenes	11.697	106	1039623	197.112	ug/l	99
69) o-Xylene	12.026	106	511109	101.132	ug/l	99
70) Styrene	12.044	104	893794	102.964	ug/l	100
71) Bromoform	12.203	173	235835	103.010	ug/l	99
73) Isopropylbenzene	12.325	105	1243143	99.962	ug/l	100
74) N-amyl acetate	12.142	43	536307	112.401	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	341790	105.156	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	247308m	97.346	ug/l	
77) Bromobenzene	12.605	156	341990	101.725	ug/l	97
78) n-propylbenzene	12.666	91	1520103	99.733	ug/l	99
79) 2-Chlorotoluene	12.752	91	906861	100.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	1067432	100.145	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	131796	110.275	ug/l	100
82) 4-Chlorotoluene	12.849	91	954132	100.543	ug/l	100
83) tert-Butylbenzene	13.075	119	889203	99.622	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	1079481	101.396	ug/l	100
85) sec-Butylbenzene	13.251	105	1237550	95.347	ug/l	100
86) p-Isopropyltoluene	13.367	119	1063926	97.108	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	629705	98.629	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	629332	97.444	ug/l	100
89) n-Butylbenzene	13.697	91	1000138	96.747	ug/l	100
90) Hexachloroethane	13.959	117	217515	94.595	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	585234	99.500	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	67180	107.162	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	367749	101.709	ug/l	99
94) Hexachlorobutadiene	15.111	225	169067	87.786	ug/l	97
95) Naphthalene	15.233	128	891472	97.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	336681	102.236	ug/l	99

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

