

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013263.D
 Acq On : 12 Apr 2023 12:18
 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 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 05:48:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:34:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	263210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	400709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	353594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	309240	97.762	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 195.520%#			
35) Dibromofluoromethane	7.716	113	261328	100.737	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 201.480%#			
50) Toluene-d8	10.179	98	984088	101.916	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 203.840%#			
62) 4-Bromofluorobenzene	12.477	95	322450	102.778	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 205.560%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	248230	104.786	ug/l	98
3) Chloromethane	2.107	50	287114	96.742	ug/l	99
4) Vinyl Chloride	2.247	62	287441	102.153	ug/l	98
5) Bromomethane	2.650	94	204685	94.860	ug/l	93
6) Chloroethane	2.790	64	189835	100.038	ug/l	97
7) Trichlorofluoromethane	3.119	101	440290	100.534	ug/l	99
8) Diethyl Ether	3.527	74	159227	100.069	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	259729	100.922	ug/l	98
10) Methyl Iodide	4.082	142	353005	111.824	ug/l	97
11) Tert butyl alcohol	4.966	59	170577	506.285	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	253236	102.244	ug/l	95
13) Acrolein	3.723	56	195304	502.612	ug/l	99
14) Allyl chloride	4.472	41	490755	103.726	ug/l	95
15) Acrylonitrile	5.161	53	461116	504.316	ug/l	98
16) Acetone	3.948	43	575485	529.138	ug/l	99
17) Carbon Disulfide	4.192	76	815681	100.032	ug/l	100
18) Methyl Acetate	4.472	43	358233	101.843	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	788765	106.312	ug/l	97
20) Methylene Chloride	4.710	84	288869	105.283	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	282355	99.866	ug/l	96
22) Diisopropyl ether	6.112	45	922223	98.905	ug/l	93
23) Vinyl Acetate	6.057	43	3068863	520.634	ug/l	98
24) 1,1-Dichloroethane	6.009	63	522758	100.366	ug/l	97
25) 2-Butanone	6.984	43	714845	513.335	ug/l	96
26) 2,2-Dichloropropane	6.978	77	465407	99.597	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	312346	101.597	ug/l	96
28) Bromochloromethane	7.326	49	204284	98.411	ug/l	98
29) Tetrahydrofuran	7.344	42	441490	521.996	ug/l	98
30) Chloroform	7.502	83	526431	99.876	ug/l	100
31) Cyclohexane	7.783	56	466825	97.604	ug/l	99
32) 1,1,1-Trichloroethane	7.697	97	475491	99.720	ug/l	98
36) 1,1-Dichloropropene	7.917	75	406990	103.560	ug/l	100
37) Ethyl Acetate	7.069	43	332284	104.891	ug/l #	95
38) Carbon Tetrachloride	7.899	117	443520	102.062	ug/l	99
39) Methylcyclohexane	9.179	83	500257	109.497	ug/l	96
40) Benzene	8.155	78	1147137	100.852	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	137319	101.660	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	388734	100.800	ug/l	97
43) Isopropyl Acetate	8.270	43	553429	105.177	ug/l	97
44) Trichloroethene	8.935	130	304479	103.914	ug/l	96
45) 1,2-Dichloropropane	9.215	63	299900	101.583	ug/l	97
46) Dibromomethane	9.301	93	179188	100.848	ug/l	99
47) Bromodichloromethane	9.496	83	412783	101.623	ug/l	98
48) Methyl methacrylate	9.289	41	264140	109.286	ug/l	95
49) 1,4-Dioxane	9.307	88	53519	2223.143	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	1500331	523.923	ug/l	98
52) Toluene	10.240	92	709466	103.295	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	447939	105.303	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	488671	104.768	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	239195	102.099	ug/l	98
56) Ethyl methacrylate	10.508	69	358115	111.639	ug/l	95
57) 1,3-Dichloropropane	10.788	76	406771	102.086	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	684870	511.325	ug/l	97
59) 2-Hexanone	10.831	43	1121551	538.637	ug/l	97
60) Dibromochloromethane	10.983	129	300881	102.425	ug/l	100
61) 1,2-Dibromoethane	11.087	107	236715	103.762	ug/l	100
64) Tetrachloroethene	10.715	164	260496	104.425	ug/l	96
65) Chlorobenzene	11.514	112	747959	101.118	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	286119	103.076	ug/l	99
67) Ethyl Benzene	11.593	91	1368583	106.233	ug/l	100
68) m/p-Xylenes	11.697	106	1048180	212.650	ug/l	98
69) o-Xylene	12.026	106	495096	108.452	ug/l	100
70) Styrene	12.044	104	836245	108.458	ug/l	98
71) Bromoform	12.209	173	201702	104.888	ug/l #	98
73) Isopropylbenzene	12.331	105	1293340	107.162	ug/l	100
74) N-amyl acetate	12.142	43	459751	106.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	295563	99.133	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	223393m	101.543	ug/l	
77) Bromobenzene	12.605	156	314227	104.114	ug/l	100
78) n-propylbenzene	12.672	91	1577134	105.807	ug/l	99
79) 2-Chlorotoluene	12.757	91	876758	104.496	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1067375	105.584	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	112909	106.884	ug/l	97
82) 4-Chlorotoluene	12.849	91	912376	103.146	ug/l	98
83) tert-Butylbenzene	13.074	119	928079	106.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1054423	107.171	ug/l	99
85) sec-Butylbenzene	13.251	105	1351693	104.200	ug/l	99
86) p-Isopropyltoluene	13.367	119	1136311	106.750	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	593770	102.060	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	591827	100.664	ug/l	99
89) n-Butylbenzene	13.696	91	1077252	105.810	ug/l	99
90) Hexachloroethane	13.958	117	224428	101.118	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	538936	101.801	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	58633	108.293	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	353387	112.312	ug/l	98
94) Hexachlorobutadiene	15.111	225	193772	104.001	ug/l	99
95) Naphthalene	15.233	128	841015	105.223	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	323446	112.832	ug/l	99

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

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