

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011623\
 Data File : VY012198.D
 Acq On : 16 Jan 2023 14:11
 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 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 14:40:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 16 13:57:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	180015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	280506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	260191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	147153	72.749	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.500%			
35) Dibromofluoromethane	7.716	113	135949	73.736	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 147.480%#			
50) Toluene-d8	10.179	98	500641	68.796	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 137.600%			
62) 4-Bromofluorobenzene	12.483	95	188707	74.186	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 148.380%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	147624	91.606	ug/l	98
3) Chloromethane	2.113	50	140031	94.615	ug/l	99
4) Vinyl Chloride	2.253	62	167204	95.569	ug/l	99
5) Bromomethane	2.643	94	126864	94.792	ug/l	97
6) Chloroethane	2.790	64	111623	96.299	ug/l	99
7) Trichlorofluoromethane	3.125	101	334439	95.952	ug/l	100
8) Diethyl Ether	3.527	74	98594	92.391	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	164492	91.660	ug/l	95
10) Methyl Iodide	4.094	142	260950	107.263	ug/l	95
11) Tert butyl alcohol	4.948	59	84169	280.347	ug/l	99
12) 1,1-Dichloroethene	3.869	96	168695	95.884	ug/l	96
13) Acrolein	3.723	56	29827	228.386	ug/l	98
14) Allyl chloride	4.478	41	214121	90.281	ug/l #	85
15) Acrylonitrile	5.161	53	214918	428.657	ug/l	99
16) Acetone	3.942	43	267421	562.010	ug/l	99
17) Carbon Disulfide	4.192	76	519621	104.745	ug/l	100
18) Methyl Acetate	4.478	43	110784	80.938	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	476858	92.085	ug/l	94
20) Methylene Chloride	4.716	84	201264	81.237	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	186962	96.035	ug/l	91
22) Diisopropyl ether	6.118	45	419710	86.025	ug/l #	91
23) Vinyl Acetate	6.057	43	1318064	446.437	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	289955	89.345	ug/l	98
25) 2-Butanone	6.984	43	281214	447.942	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	314909	89.947	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	209464	94.202	ug/l	95
28) Bromochloromethane	7.338	49	57714	70.343	ug/l #	74
29) Tetrahydrofuran	7.344	42	153367	418.522	ug/l #	84
30) Chloroform	7.502	83	342901	92.692	ug/l	99
31) Cyclohexane	7.783	56	256653	88.252	ug/l	93
32) 1,1,1-Trichloroethane	7.703	97	342159	95.226	ug/l	98
36) 1,1-Dichloropropene	7.917	75	250642	89.605	ug/l	97
37) Ethyl Acetate	7.069	43	107256	71.612	ug/l #	95
38) Carbon Tetrachloride	7.899	117	327048	92.117	ug/l	97
39) Methylcyclohexane	9.185	83	316505	94.720	ug/l	94
40) Benzene	8.161	78	723211	88.726	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	59303m	72.802	ug/l	
42) 1,2-Dichloroethane	8.240	62	232352	90.038	ug/l	99
43) Isopropyl Acetate	8.270	43	208105	82.911	ug/l #	94
44) Trichloroethene	8.941	130	216924	91.144	ug/l	96
45) 1,2-Dichloropropane	9.215	63	155318	85.522	ug/l	99
46) Dibromomethane	9.307	93	101311	88.613	ug/l	96
47) Bromodichloromethane	9.496	83	262819	90.407	ug/l	100
48) Methyl methacrylate	9.289	41	96997	86.272	ug/l	90
49) 1,4-Dioxane	9.295	88	27239	1720.503	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	548265	410.512	ug/l	95
52) Toluene	10.246	92	491959	91.183	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	273523	90.444	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	294668	90.065	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	141810	85.879	ug/l	96
56) Ethyl methacrylate	10.508	69	195851	90.541	ug/l	95
57) 1,3-Dichloropropane	10.788	76	237386	87.110	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	300641	379.973	ug/l	90
59) 2-Hexanone	10.831	43	428264	456.665	ug/l	96
60) Dibromochloromethane	10.983	129	193231	88.751	ug/l	100
61) 1,2-Dibromoethane	11.087	107	140109	88.652	ug/l	100
64) Tetrachloroethene	10.721	164	232458	91.200	ug/l	96
65) Chlorobenzene	11.520	112	527034	88.691	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	201129	87.667	ug/l	97
67) Ethyl Benzene	11.593	91	956614	90.065	ug/l	99
68) m/p-Xylenes	11.703	106	755232	181.290	ug/l	99
69) o-Xylene	12.032	106	360023	90.764	ug/l	100
70) Styrene	12.044	104	607373	90.143	ug/l	99
71) Bromoform	12.209	173	125922	86.383	ug/l #	99
73) Isopropylbenzene	12.331	105	957293	93.900	ug/l	99
74) N-amyl acetate	12.142	43	188961	89.782	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	144479	84.248	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	104951m	71.342	ug/l	
77) Bromobenzene	12.611	156	223708	92.004	ug/l	93
78) n-propylbenzene	12.672	91	1111374	93.384	ug/l	98
79) 2-Chlorotoluene	12.757	91	626555	92.035	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	820490	93.834	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	58824	88.804	ug/l	98
82) 4-Chlorotoluene	12.855	91	654235	91.882	ug/l	97
83) tert-Butylbenzene	13.074	119	727156	94.912	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	817581	94.458	ug/l	98
85) sec-Butylbenzene	13.257	105	1018287	92.471	ug/l	98
86) p-Isopropyltoluene	13.373	119	890750	93.367	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	444490	91.196	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	439397	90.246	ug/l	99
89) n-Butylbenzene	13.696	91	771352	93.301	ug/l	98
90) Hexachloroethane	13.965	117	156350	88.338	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	389265	89.647	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	29625	86.917	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	251814	93.017	ug/l	99
94) Hexachlorobutadiene	15.111	225	147339	90.205	ug/l	99
95) Naphthalene	15.239	128	509187	95.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	215596	91.599	ug/l	100

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

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