

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120423\
 Data File : VY016576.D
 Acq On : 04 Dec 2023 13:53
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 05 01:09:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 00:54:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	238499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	353052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	299623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	137898	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	201400	91.364	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 182.720%#	
35) Dibromofluoromethane	7.734	113	208856	98.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 196.600%#	
50) Toluene-d8	10.191	98	819362	101.953	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 203.900%#	
62) 4-Bromofluorobenzene	12.495	95	261871	99.085	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 198.160%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.905	85	182335	86.548	ug/l	99
3) Chloromethane	2.119	50	193317	88.454	ug/l	98
4) Vinyl Chloride	2.259	62	201653	91.367	ug/l	97
5) Bromomethane	2.655	94	121216	87.679	ug/l	99
6) Chloroethane	2.802	64	125508	92.063	ug/l	97
7) Trichlorofluoromethane	3.137	101	383091	91.818	ug/l	98
8) Diethyl Ether	3.539	74	98473	84.742	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.911	101	214136	91.776	ug/l	98
10) Methyl Iodide	4.106	142	238754	96.849	ug/l	99
11) Tert butyl alcohol	4.960	59	59101	393.501	ug/l #	79
12) 1,1-Dichloroethene	3.887	96	200151	94.431	ug/l	93
13) Acrolein	3.741	56	90220	413.184	ug/l	100
14) Allyl chloride	4.496	41	302625	93.557	ug/l	97
15) Acrylonitrile	5.173	53	185820	396.197	ug/l	98
16) Acetone	3.954	43	168597	337.987	ug/l	95
17) Carbon Disulfide	4.210	76	558231	93.939	ug/l	99
18) Methyl Acetate	4.490	43	166049	83.979	ug/l	94
19) Methyl tert-butyl Ether	5.240	73	451242	86.606	ug/l	99
20) Methylene Chloride	4.734	84	194600	91.272	ug/l	92
21) trans-1,2-Dichloroethene	5.240	96	218725	91.767	ug/l	94
22) Diisopropyl ether	6.130	45	597911	89.878	ug/l	92
23) Vinyl Acetate	6.075	43	1344818	421.100	ug/l #	95
24) 1,1-Dichloroethane	6.033	63	371205	90.826	ug/l	97
25) 2-Butanone	7.002	43	248846	362.789	ug/l	94
26) 2,2-Dichloropropane	6.996	77	352231	91.674	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	236632	90.192	ug/l	96
28) Bromochloromethane	7.350	49	148328	89.600	ug/l	88
29) Tetrahydrofuran	7.362	42	157708	403.274	ug/l	93
30) Chloroform	7.520	83	390970	89.743	ug/l	97
31) Cyclohexane	7.801	56	324879	86.331	ug/l	93
32) 1,1,1-Trichloroethane	7.715	97	381399	92.505	ug/l	98
36) 1,1-Dichloropropene	7.935	75	307498	95.208	ug/l	99
37) Ethyl Acetate	7.087	43	108998	80.652	ug/l #	96
38) Carbon Tetrachloride	7.917	117	355607	95.108	ug/l	98
39) Methylcyclohexane	9.197	83	377674	97.057	ug/l	94
40) Benzene	8.173	78	831411	91.329	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	65407	85.944	ug/l	89
42) 1,2-Dichloroethane	8.252	62	226624	85.734	ug/l	95
43) Isopropyl Acetate	8.288	43	221342	84.900	ug/l	93
44) Trichloroethene	8.953	130	253053	92.175	ug/l	97
45) 1,2-Dichloropropane	9.227	63	195797	89.336	ug/l	95
46) Dibromomethane	9.319	93	103041	85.760	ug/l	99
47) Bromodichloromethane	9.508	83	285125	89.137	ug/l	97
48) Methyl methacrylate	9.307	41	133010	88.341	ug/l	93
49) 1,4-Dioxane	9.313	88	20137	1655.824	ug/l #	56
51) 4-Methyl-2-Pentanone	10.081	43	575850	425.021	ug/l	95
52) Toluene	10.258	92	536819	94.087	ug/l	96
53) t-1,3-Dichloropropene	10.477	75	268682	89.003	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	322028	90.830	ug/l	95
55) 1,1,2-Trichloroethane	10.660	97	143620	85.811	ug/l	94
56) Ethyl methacrylate	10.520	69	136716	89.115	ug/l	92
57) 1,3-Dichloropropane	10.800	76	245078	86.681	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.794	63	467670	494.663	ug/l	92
59) 2-Hexanone	10.843	43	412051	402.024	ug/l	94
60) Dibromochloromethane	10.995	129	195086	87.238	ug/l	100
61) 1,2-Dibromoethane	11.099	107	135831	86.286	ug/l	100
64) Tetrachloroethene	10.733	164	262046	95.429	ug/l	98
65) Chlorobenzene	11.532	112	564085	92.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	217663	91.767	ug/l	100
67) Ethyl Benzene	11.605	91	1041666	95.709	ug/l	99
68) m/p-Xylenes	11.715	106	791115	191.474	ug/l	96
69) o-Xylene	12.044	106	368425	95.520	ug/l	97
70) Styrene	12.056	104	529744	95.725	ug/l	99
71) Bromoform	12.221	173	111989	87.438	ug/l #	100
73) Isopropylbenzene	12.343	105	1027938	100.670	ug/l	99
74) N-amyl acetate	12.154	43	185283	91.001	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.593	83	139246	85.738	ug/l	99
76) 1,2,3-Trichloropropane	12.641	75	195905	153.440	ug/l #	100
77) Bromobenzene	12.623	156	228674	95.023	ug/l	91
78) n-propylbenzene	12.684	91	1184445	99.660	ug/l	98
79) 2-Chlorotoluene	12.769	91	647479	96.679	ug/l	98
80) 1,3,5-Trimethylbenzene	12.824	105	822063	99.080	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.391	75	49272	89.227	ug/l	98
82) 4-Chlorotoluene	12.867	91	669427	96.600	ug/l	99
83) tert-Butylbenzene	13.086	119	731181	98.633	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	800181	98.736	ug/l	98
85) sec-Butylbenzene	13.263	105	1024160	98.366	ug/l	98
86) p-Isopropyltoluene	13.379	119	900287	99.612	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	433144	94.288	ug/l	99
88) 1,4-Dichlorobenzene	13.458	146	423668	93.972	ug/l	99
89) n-Butylbenzene	13.708	91	806877	99.272	ug/l	96
90) Hexachloroethane	13.970	117	173699	97.676	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	365849	92.759	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.367	75	22730	87.458	ug/l	90
93) 1,2,4-Trichlorobenzene	15.019	180	219271	98.522	ug/l	99
94) Hexachlorobutadiene	15.123	225	131037	93.189	ug/l	98
95) Naphthalene	15.245	128	368209	89.162	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	176349	90.904	ug/l	98

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

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