

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121523\
 Data File : VY016659.D
 Acq On : 15 Dec 2023 17:59
 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 16 00:10:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 15 23:53:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	247237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	385167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	339093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	160886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	212609	104.841	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 209.680%#			
35) Dibromofluoromethane	7.728	113	224261	108.548	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 217.100%#			
50) Toluene-d8	10.191	98	873082	104.815	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 209.620%#			
62) 4-Bromofluorobenzene	12.489	95	281172	106.197	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 212.400%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	173035	89.802	ug/l	97
3) Chloromethane	2.119	50	260493	86.752	ug/l	99
4) Vinyl Chloride	2.253	62	316558	91.836	ug/l	97
5) Bromomethane	2.649	94	222024	89.992	ug/l	97
6) Chloroethane	2.796	64	206405	92.062	ug/l	97
7) Trichlorofluoromethane	3.131	101	346712	90.056	ug/l	98
8) Diethyl Ether	3.533	74	114440	95.159	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.905	101	211149	88.679	ug/l	95
10) Methyl Iodide	4.100	142	247712	99.959	ug/l	94
11) Tert butyl alcohol	4.960	59	69747	427.465	ug/l #	79
12) 1,1-Dichloroethene	3.881	96	208319	92.805	ug/l	92
13) Acrolein	3.735	56	55121	503.453	ug/l	98
14) Allyl chloride	4.484	41	292215	96.016	ug/l #	93
15) Acrylonitrile	5.173	53	235099	469.763	ug/l	97
16) Acetone	3.954	43	206951	456.747	ug/l #	89
17) Carbon Disulfide	4.204	76	653510	92.050	ug/l	99
18) Methyl Acetate	4.484	43	178048	94.291	ug/l #	87
19) Methyl tert-butyl Ether	5.234	73	520213	98.841	ug/l	98
20) Methylene Chloride	4.728	84	229261	95.247	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	245943	94.044	ug/l	92
22) Diisopropyl ether	6.130	45	632681	97.000	ug/l #	87
23) Vinyl Acetate	6.069	43	1567631	487.766	ug/l #	92
24) 1,1-Dichloroethane	6.033	63	394951	92.790	ug/l	96
25) 2-Butanone	6.996	43	304005	459.592	ug/l #	89
26) 2,2-Dichloropropane	6.996	77	350765	92.820	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	270055	95.621	ug/l	90
28) Bromochloromethane	7.344	49	155617	100.264	ug/l	88
29) Tetrahydrofuran	7.356	42	188133	478.647	ug/l #	87
30) Chloroform	7.520	83	409448	92.497	ug/l	98
31) Cyclohexane	7.795	56	351237	87.987	ug/l	88
32) 1,1,1-Trichloroethane	7.709	97	370953	93.411	ug/l	98
36) 1,1-Dichloropropene	7.929	75	324744	94.901	ug/l	98
37) Ethyl Acetate	7.082	43	131689	93.385	ug/l #	94
38) Carbon Tetrachloride	7.911	117	329434	95.843	ug/l	99
39) Methylcyclohexane	9.191	83	415414	96.589	ug/l	91
40) Benzene	8.173	78	955352	95.258	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	70939m	94.732	ug/l	
42) 1,2-Dichloroethane	8.246	62	243844	95.129	ug/l	93
43) Isopropyl Acetate	8.283	43	253294	97.733	ug/l #	89
44) Trichloroethene	8.947	130	265115	94.915	ug/l	98
45) 1,2-Dichloropropane	9.227	63	223612	95.439	ug/l	97
46) Dibromomethane	9.313	93	124651	96.202	ug/l	98
47) Bromodichloromethane	9.508	83	315058	96.234	ug/l	99
48) Methyl methacrylate	9.301	41	143854	100.238	ug/l #	86
49) 1,4-Dioxane	9.307	88	26383	1900.794	ug/l #	66
51) 4-Methyl-2-Pentanone	10.081	43	665332	489.484	ug/l	89
52) Toluene	10.252	92	618237	98.411	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	310322	100.477	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	366075	98.583	ug/l	90
55) 1,1,2-Trichloroethane	10.654	97	173337	95.207	ug/l	96
56) Ethyl methacrylate	10.520	69	167426	106.066	ug/l #	81
57) 1,3-Dichloropropane	10.800	76	292930	96.677	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	562652	499.377	ug/l	93
59) 2-Hexanone	10.837	43	478293	428.909	ug/l	87
60) Dibromochloromethane	10.995	129	216964	98.331	ug/l	100
61) 1,2-Dibromoethane	11.099	107	164976	96.547	ug/l	99
64) Tetrachloroethene	10.727	164	264358	95.158	ug/l	97
65) Chlorobenzene	11.526	112	629238	95.136	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	237716	98.274	ug/l	99
67) Ethyl Benzene	11.599	91	1169253	98.262	ug/l	99
68) m/p-Xylenes	11.709	106	910092	198.251	ug/l	91
69) o-Xylene	12.038	106	421156	100.300	ug/l	94
70) Styrene	12.050	104	615346	101.149	ug/l	97
71) Bromoform	12.215	173	129097	98.413	ug/l #	99
73) Isopropylbenzene	12.337	105	1109159	98.012	ug/l	99
74) N-amyl acetate	12.148	43	214483	101.120	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.587	83	178361	92.645	ug/l	99
76) 1,2,3-Trichloropropane	12.641	75	140884m	96.029	ug/l	
77) Bromobenzene	12.617	156	255637	96.418	ug/l	92
78) n-propylbenzene	12.678	91	1295864	95.803	ug/l	99
79) 2-Chlorotoluene	12.763	91	709910	95.576	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	890678	98.433	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.385	75	61931	96.035	ug/l	91
82) 4-Chlorotoluene	12.861	91	727142	94.669	ug/l	97
83) tert-Butylbenzene	13.080	119	769953	97.515	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	885694	98.693	ug/l	97
85) sec-Butylbenzene	13.257	105	1111124	95.905	ug/l	100
86) p-Isopropyltoluene	13.373	119	963813	97.437	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	491252	95.331	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	480060	94.741	ug/l	99
89) n-Butylbenzene	13.702	91	872260	94.923	ug/l	96
90) Hexachloroethane	13.964	117	184569	93.746	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	423006	95.670	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	26136	93.796	ug/l	84
93) 1,2,4-Trichlorobenzene	15.013	180	245579	102.819	ug/l	100
94) Hexachlorobutadiene	15.117	225	126280	88.084	ug/l	97
95) Naphthalene	15.239	128	465070	99.089	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	205091	104.166	ug/l	99

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

