

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016691.D
 Acq On : 19 Dec 2023 11:41
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 20 05:28:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	170738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	255537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	217703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	103291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	30619	21.681	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.360%#		
35) Dibromofluoromethane	7.728	113	31007	20.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.200%#		
50) Toluene-d8	10.191	98	110335	20.243	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.480%#		
62) 4-Bromofluorobenzene	12.489	95	32480	20.958	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29490	22.306	ug/l	99
3) Chloromethane	2.119	50	52675	20.824	ug/l	100
4) Vinyl Chloride	2.259	62	66828	20.266	ug/l	98
5) Bromomethane	2.656	94	61280	21.418	ug/l	97
6) Chloroethane	2.802	64	53656	21.739	ug/l	97
7) Trichlorofluoromethane	3.131	101	60735	21.014	ug/l	100
8) Diethyl Ether	3.540	74	16880	21.818	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.918	101	32734	20.875	ug/l	97
10) Methyl Iodide	4.100	142	36588	20.546	ug/l	97
11) Tert butyl alcohol	4.954	59	12608m	128.999	ug/l	
12) 1,1-Dichloroethene	3.881	96	28983	20.379	ug/l	99
13) Acrolein	3.741	56	11275	149.807	ug/l	97
14) Allyl chloride	4.485	41	36255	20.416	ug/l	90
15) Acrylonitrile	5.173	53	34024	109.845	ug/l	96
16) Acetone	3.954	43	41850m	128.603	ug/l	
17) Carbon Disulfide	4.204	76	75902	19.941	ug/l	100
18) Methyl Acetate	4.491	43	25597	20.918	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	72890	21.216	ug/l	95
20) Methylene Chloride	4.722	84	36277	20.523	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	32598	20.266	ug/l	92
22) Diisopropyl ether	6.124	45	85453	21.024	ug/l	92
23) Vinyl Acetate	6.070	43	216369	108.863	ug/l	99
24) 1,1-Dichloroethane	6.027	63	57972	20.711	ug/l	97
25) 2-Butanone	6.996	43	52858	128.265	ug/l	98
26) 2,2-Dichloropropane	6.996	77	49741	19.567	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	37346	20.542	ug/l	96
28) Bromochloromethane	7.344	49	22689	22.322	ug/l	91
29) Tetrahydrofuran	7.362	42	26569	116.203	ug/l	95
30) Chloroform	7.514	83	62373	20.769	ug/l	96
31) Cyclohexane	7.795	56	45827	19.826	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	53744	20.154	ug/l	96
36) 1,1-Dichloropropene	7.929	75	46279	20.328	ug/l	96
37) Ethyl Acetate	7.082	43	19296	22.130	ug/l	95
38) Carbon Tetrachloride	7.911	117	48242	19.639	ug/l	94
39) Methylcyclohexane	9.191	83	49500	18.885	ug/l	97
40) Benzene	8.167	78	130709	19.983	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	9729m	21.009	ug/l	
42) 1,2-Dichloroethane	8.246	62	39347	21.259	ug/l	95
43) Isopropyl Acetate	8.283	43	36618	21.865	ug/l #	77
44) Trichloroethene	8.947	130	34736	19.298	ug/l	96
45) 1,2-Dichloropropane	9.221	63	31769	20.321	ug/l	99
46) Dibromomethane	9.319	93	18554	21.016	ug/l	95
47) Bromodichloromethane	9.502	83	46434	20.144	ug/l	95
48) Methyl methacrylate	9.301	41	18524	20.387	ug/l #	87
49) 1,4-Dioxane	9.313	88	3380	415.825	ug/l #	87
51) 4-Methyl-2-Pentanone	10.075	43	92851	108.022	ug/l	95
52) Toluene	10.252	92	79542	19.875	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	41520	20.116	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	49347	20.178	ug/l #	90
55) 1,1,2-Trichloroethane	10.654	97	25441	20.861	ug/l	98
56) Ethyl methacrylate	10.520	69	20206	20.361	ug/l #	90
57) 1,3-Dichloropropane	10.800	76	41643	20.694	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.795	63	66394	109.048	ug/l	95
59) 2-Hexanone	10.843	43	71846	114.725	ug/l	95
60) Dibromochloromethane	10.996	129	30294	20.459	ug/l	96
61) 1,2-Dibromoethane	11.099	107	22795	20.754	ug/l	99
64) Tetrachloroethene	10.727	164	29820	19.858	ug/l	97
65) Chlorobenzene	11.526	112	85420	19.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	32804	19.640	ug/l	99
67) Ethyl Benzene	11.599	91	148536	19.285	ug/l	99
68) m/p-Xylenes	11.715	106	112636	38.580	ug/l	98
69) o-Xylene	12.038	106	52017	19.503	ug/l	99
70) Styrene	12.056	104	75688	19.654	ug/l	99
71) Bromoform	12.215	173	18052	20.867	ug/l #	98
73) Isopropylbenzene	12.337	105	141182	19.768	ug/l	99
74) N-amyl acetate	12.154	43	26833	20.764	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	27861	20.966	ug/l	97
76) 1,2,3-Trichloropropane	12.642	75	18406m	20.500	ug/l	
77) Bromobenzene	12.617	156	34361	19.954	ug/l	98
78) n-propylbenzene	12.678	91	167879	19.828	ug/l	99
79) 2-Chlorotoluene	12.764	91	91013	20.068	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	111207	19.871	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	8075	20.635	ug/l #	85
82) 4-Chlorotoluene	12.861	91	93986	20.041	ug/l	99
83) tert-Butylbenzene	13.087	119	101447	20.145	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	110453	19.689	ug/l	100
85) sec-Butylbenzene	13.263	105	144341	19.875	ug/l	100
86) p-Isopropyltoluene	13.379	119	120151	18.924	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	64911	19.049	ug/l	97
88) 1,4-Dichlorobenzene	13.459	146	64443	19.740	ug/l	99
89) n-Butylbenzene	13.702	91	112470	19.378	ug/l	97
90) Hexachloroethane	13.971	117	24093	19.040	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	56753	20.272	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3674	21.086	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	32115	19.191	ug/l	97
94) Hexachlorobutadiene	15.117	225	20229	19.126	ug/l	99
95) Naphthalene	15.245	128	53564	19.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	28031	19.804	ug/l	98

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

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