

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121523\
 Data File : VY016657.D
 Acq On : 15 Dec 2023 17:14
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Dec 16 00:08:22 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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	228834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	365881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	311354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	142499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	28986	15.728	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	31.460%#		
35) Dibromofluoromethane	7.722	113	35484	18.081	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.160%#		
50) Toluene-d8	10.185	98	111932	15.938	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	31.880%#		
62) 4-Bromofluorobenzene	12.489	95	45555	18.113	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	37030	20.763	ug/l	100
3) Chloromethane	2.119	50	62991	22.665	ug/l	100
4) Vinyl Chloride	2.259	62	72539	22.736	ug/l	100
5) Bromomethane	2.656	94	50499	22.115	ug/l	95
6) Chloroethane	2.802	64	47286	22.787	ug/l	98
7) Trichlorofluoromethane	3.131	101	82544	23.164	ug/l	95
8) Diethyl Ether	3.534	74	24328	21.856	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.905	101	49914	22.649	ug/l	96
10) Methyl Iodide	4.100	142	50368	21.960	ug/l	94
11) Tert butyl alcohol	4.966	59	14402	95.365	ug/l #	83
12) 1,1-Dichloroethene	3.881	96	46973	22.609	ug/l	88
13) Acrolein	3.735	56	13261	110.044	ug/l	98
14) Allyl chloride	4.491	41	62725	22.268	ug/l #	94
15) Acrylonitrile	5.167	53	47520	102.588	ug/l	97
16) Acetone	3.948	43	60260	121.886	ug/l	91
17) Carbon Disulfide	4.204	76	150524	22.907	ug/l	100
18) Methyl Acetate	4.485	43	33753	19.313	ug/l #	86
19) Methyl tert-butyl Ether	5.228	73	102351	21.011	ug/l	98
20) Methylene Chloride	4.722	84	63979	24.608	ug/l	88
21) trans-1,2-Dichloroethene	5.234	96	55580	22.962	ug/l	86
22) Diisopropyl ether	6.125	45	135359	22.422	ug/l	91
23) Vinyl Acetate	6.064	43	319053	107.256	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	90017	22.849	ug/l	97
25) 2-Butanone	6.996	43	75031	111.154	ug/l #	88
26) 2,2-Dichloropropane	6.990	77	78486	22.439	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	58666	22.443	ug/l	91
28) Bromochloromethane	7.344	49	17105	14.434	ug/l	90
29) Tetrahydrofuran	7.356	42	35810	98.435	ug/l	88
30) Chloroform	7.514	83	93038	22.708	ug/l	100
31) Cyclohexane	7.795	56	82952	22.451	ug/l #	85
32) 1,1,1-Trichloroethane	7.710	97	82846	22.539	ug/l	99
36) 1,1-Dichloropropene	7.923	75	73596	22.641	ug/l	99
37) Ethyl Acetate	7.082	43	26714	19.942	ug/l	97
38) Carbon Tetrachloride	7.905	117	75021	22.977	ug/l	98
39) Methylcyclohexane	9.191	83	92275	22.586	ug/l	93
40) Benzene	8.167	78	216533	22.729	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	12532	17.617	ug/l	93
42) 1,2-Dichloroethane	8.246	62	53310	21.894	ug/l	92
43) Isopropyl Acetate	8.277	43	49994	20.307	ug/l #	89
44) Trichloroethene	8.947	130	59608	22.465	ug/l	96
45) 1,2-Dichloropropane	9.222	63	50034	22.480	ug/l	98
46) Dibromomethane	9.313	93	27138	22.048	ug/l	94
47) Bromodichloromethane	9.502	83	68367	21.983	ug/l	95
48) Methyl methacrylate	9.301	41	27388	20.090	ug/l #	85
49) 1,4-Dioxane	9.307	88	5395	409.177	ug/l #	64
51) 4-Methyl-2-Pentanone	10.075	43	130624	101.165	ug/l	91
52) Toluene	10.252	92	135190	22.654	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	62486	21.298	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	79190	22.450	ug/l	90
55) 1,1,2-Trichloroethane	10.654	97	38041	21.996	ug/l	92
56) Ethyl methacrylate	10.520	69	30629	20.427	ug/l #	84
57) 1,3-Dichloropropane	10.794	76	62357	21.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	78010	83.867	ug/l	95
59) 2-Hexanone	10.837	43	108552	102.475	ug/l	87
60) Dibromochloromethane	10.989	129	45364	21.643	ug/l	99
61) 1,2-Dibromoethane	11.099	107	34924	21.515	ug/l	98
64) Tetrachloroethene	10.727	164	58810	23.055	ug/l	98
65) Chlorobenzene	11.526	112	139191	22.920	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	50157	22.583	ug/l	98
67) Ethyl Benzene	11.599	91	250291	22.908	ug/l	96
68) m/p-Xylenes	11.709	106	193575	45.924	ug/l	92
69) o-Xylene	12.038	106	87500	22.695	ug/l	97
70) Styrene	12.050	104	126919	22.721	ug/l	96
71) Bromoform	12.215	173	24877	20.654	ug/l #	97
73) Isopropylbenzene	12.337	105	238468	23.792	ug/l	100
74) N-amyl acetate	12.148	43	39942	21.261	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.587	83	36505	21.408	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	28213m	21.712	ug/l	
77) Bromobenzene	12.617	156	52444	22.332	ug/l	94
78) n-propylbenzene	12.678	91	283407	23.656	ug/l	99
79) 2-Chlorotoluene	12.764	91	156197	23.742	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	190242	23.737	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	12187	21.337	ug/l	91
82) 4-Chlorotoluene	12.861	91	162125	23.831	ug/l	99
83) tert-Butylbenzene	13.081	119	163340	23.357	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	187067	23.535	ug/l	97
85) sec-Butylbenzene	13.257	105	243649	23.744	ug/l	99
86) p-Isopropyltoluene	13.373	119	207094	23.638	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	103287	22.630	ug/l	98
88) 1,4-Dichlorobenzene	13.452	146	102519	22.843	ug/l	99
89) n-Butylbenzene	13.702	91	193769	23.808	ug/l	98
90) Hexachloroethane	13.965	117	40490	23.219	ug/l	87
91) 1,2-Dichlorobenzene	13.745	146	87794	22.418	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4966	20.121	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	44983	21.264	ug/l	98
94) Hexachlorobutadiene	15.117	225	29155	22.961	ug/l	97
95) Naphthalene	15.239	128	73307	21.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	36130	20.718	ug/l	99

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

