

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082923\
 Data File : VY015358.D
 Acq On : 29 Aug 2023 17:26
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 31 15:05:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 13:05:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/31/2023
 Supervised By :Semsettin Yesilyurt 08/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	183858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	300024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	269721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9390	4.764	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.520%#		
35) Dibromofluoromethane	7.716	113	7415	4.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.580%#		
50) Toluene-d8	10.179	98	29410	4.700	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.400%#		
62) 4-Bromofluorobenzene	12.477	95	10907	4.695	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.380%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	7610	4.762	ug/l	99
3) Chloromethane	2.107	50	10631	5.009	ug/l	100
4) Vinyl Chloride	2.241	62	12152	4.919	ug/l	90
5) Bromomethane	2.637	94	9830	5.592	ug/l	97
6) Chloroethane	2.784	64	7774	4.787	ug/l	94
7) Trichlorofluoromethane	3.113	101	16522	4.728	ug/l	99
8) Diethyl Ether	3.521	74	5431	4.548	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.893	101	9103	4.700	ug/l	96
10) Methyl Iodide	4.082	142	9267	4.074	ug/l	98
11) Tert butyl alcohol	4.954	59	10599	7.903	ug/l #	95
12) 1,1-Dichloroethene	3.863	96	8555	4.681	ug/l	83
13) Acrolein	3.723	56	7389	34.432	ug/l	95
14) Allyl chloride	4.472	41	12599	4.330	ug/l	92
15) Acrylonitrile	5.161	53	17898	23.816	ug/l	99
16) Acetone	3.942	43	20217	24.575	ug/l	94
17) Carbon Disulfide	4.186	76	24873	4.552	ug/l	98
18) Methyl Acetate	4.472	43	13946	4.680	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	27208	4.580	ug/l	93
20) Methylene Chloride	4.704	84	26072	1.874	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	9772	4.643	ug/l	96
22) Diisopropyl ether	6.112	45	29077	4.569	ug/l	97
23) Vinyl Acetate	6.051	43	89748	25.291	ug/l	98
24) 1,1-Dichloroethane	6.003	63	17811	4.841	ug/l	97
25) 2-Butanone	6.978	43	27563	23.623	ug/l	98
26) 2,2-Dichloropropane	6.972	77	14602	4.673	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	11124	4.659	ug/l	95
28) Bromochloromethane	7.326	49	5605	4.968	ug/l	96
29) Tetrahydrofuran	7.344	42	17445	23.809	ug/l	95
30) Chloroform	7.496	83	18460	4.773	ug/l	98
31) Cyclohexane	7.783	56	18474	5.277	ug/l #	72
32) 1,1,1-Trichloroethane	7.691	97	15894	4.601	ug/l	96
36) 1,1-Dichloropropene	7.911	75	14041	4.627	ug/l	98
37) Ethyl Acetate	7.063	43	10739	4.589	ug/l	98
38) Carbon Tetrachloride	7.893	117	14514	4.631	ug/l	96
39) Methylcyclohexane	9.179	83	17517	4.586	ug/l	92
40) Benzene	8.149	78	39566	4.674	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	5076m	4.229	ug/l	
42) 1,2-Dichloroethane	8.234	62	13498	4.782	ug/l	94
43) Isopropyl Acetate	8.264	43	18481	4.567	ug/l #	90
44) Trichloroethene	8.935	130	11496	4.800	ug/l	91
45) 1,2-Dichloropropane	9.215	63	10192	4.776	ug/l	99
46) Dibromomethane	9.295	93	6863	4.841	ug/l	91
47) Bromodichloromethane	9.490	83	13989	4.614	ug/l	94
48) Methyl methacrylate	9.289	41	7970	4.293	ug/l	93
49) 1,4-Dioxane	9.289	88	2487	94.450	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	54010	22.963	ug/l	96
52) Toluene	10.240	92	24414	4.499	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	13994	4.344	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	15620	4.457	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	8763	4.588	ug/l	96
56) Ethyl methacrylate	10.508	69	11764	4.156	ug/l	98
57) 1,3-Dichloropropane	10.788	76	15272	4.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	23612	23.371	ug/l	95
59) 2-Hexanone	10.831	43	40196	22.776	ug/l	94
60) Dibromochloromethane	10.983	129	9989	4.468	ug/l	100
61) 1,2-Dibromoethane	11.087	107	8788	4.541	ug/l	97
64) Tetrachloroethene	10.715	164	11602	4.739	ug/l	96
65) Chlorobenzene	11.514	112	27581	4.745	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	9811	4.612	ug/l	98
67) Ethyl Benzene	11.587	91	48404	4.638	ug/l	97
68) m/p-Xylenes	11.703	106	36700	9.072	ug/l	96
69) o-Xylene	12.026	106	17559	4.542	ug/l	96
70) Styrene	12.044	104	28367	4.364	ug/l	97
71) Bromoform	12.209	173	6390	4.306	ug/l #	100
73) Isopropylbenzene	12.325	105	46396	4.630	ug/l	99
74) N-amyl acetate	12.142	43	14296	4.247	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	11170	4.670	ug/l	95
76) 1,2,3-Trichloropropane	12.629	75	8631m	4.899	ug/l	
77) Bromobenzene	12.605	156	11077	4.668	ug/l	96
78) n-propylbenzene	12.666	91	55346	4.565	ug/l	99
79) 2-Chlorotoluene	12.751	91	31608	4.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	37725	4.501	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	3688	4.599	ug/l	97
82) 4-Chlorotoluene	12.849	91	32768	4.636	ug/l	100
83) tert-Butylbenzene	13.075	119	33679	4.588	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	37587	4.517	ug/l	99
85) sec-Butylbenzene	13.251	105	49839	4.552	ug/l	99
86) p-Isopropyltoluene	13.367	119	40971	4.465	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	22229	4.745	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	23240	4.907	ug/l	95
89) n-Butylbenzene	13.696	91	39097	4.527	ug/l	98
90) Hexachloroethane	13.959	117	7287	4.440	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	20430	4.778	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2328	4.920	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	12146	4.524	ug/l	98
94) Hexachlorobutadiene	15.111	225	7012	4.789	ug/l	97
95) Naphthalene	15.233	128	28735	4.320	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	11187	4.568	ug/l	98

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

