

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014973.D
 Acq On : 08 Aug 2023 10:02
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY080823

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/09/2023
 Supervised By :Semsettin Yesilyurt 08/09/2023

Quant Time: Aug 08 15:51:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	303485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	515943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	460540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	228718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	188405	51.220	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.440%			
35) Dibromofluoromethane	7.710	113	168798	51.161	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.320%			
50) Toluene-d8	10.179	98	626606	49.897	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.483	95	220467	49.534	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	70611	41.322	ug/l	99
3) Chloromethane	2.113	50	101812	42.628	ug/l	100
4) Vinyl Chloride	2.247	62	122292	41.553	ug/l	98
5) Bromomethane	2.637	94	97294	51.787	ug/l	96
6) Chloroethane	2.784	64	90544	44.559	ug/l	96
7) Trichlorofluoromethane	3.119	101	193076	41.515	ug/l	100
8) Diethyl Ether	3.527	74	80371	46.832	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	116882	42.454	ug/l	95
10) Methyl Iodide	4.082	142	137731	48.387	ug/l	98
11) Tert butyl alcohol	4.948	59	142588	160.620	ug/l #	86
12) 1,1-Dichloroethene	3.863	96	107564	44.840	ug/l	89
13) Acrolein	3.722	56	88278	292.314	ug/l	100
14) Allyl chloride	4.472	41	187605	46.964	ug/l	97
15) Acrylonitrile	5.155	53	245978	234.612	ug/l	98
16) Acetone	3.942	43	304274	265.274	ug/l	93
17) Carbon Disulfide	4.186	76	228348	43.055	ug/l	98
18) Methyl Acetate	4.472	43	195923	46.904	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	425500	46.884	ug/l	99
20) Methylene Chloride	4.704	84	202102	45.318	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	123737	45.254	ug/l	95
22) Diisopropyl ether	6.112	45	443525	47.667	ug/l	92
23) Vinyl Acetate	6.051	43	1321319	236.233	ug/l	95
24) 1,1-Dichloroethane	6.009	63	248785	47.139	ug/l	97
25) 2-Butanone	6.978	43	389544	237.112	ug/l	93
26) 2,2-Dichloropropane	6.978	77	236230	44.236	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	162814	47.053	ug/l	96
28) Bromochloromethane	7.325	49	117157	49.243	ug/l	91
29) Tetrahydrofuran	7.344	42	218122	226.406	ug/l	92
30) Chloroform	7.502	83	273009	47.620	ug/l	96
31) Cyclohexane	7.777	56	167792	43.651	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	232161	45.950	ug/l	99
36) 1,1-Dichloropropene	7.911	75	176281	43.035	ug/l	99
37) Ethyl Acetate	7.069	43	141002	43.366	ug/l #	95
38) Carbon Tetrachloride	7.899	117	197141	42.811	ug/l	98
39) Methylcyclohexane	9.179	83	198316	40.712	ug/l	93
40) Benzene	8.155	78	537112	44.530	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	84996m	53.792	ug/l	
42) 1,2-Dichloroethane	8.234	62	189211	45.066	ug/l	96
43) Isopropyl Acetate	8.270	43	269628	44.634	ug/l	98
44) Trichloroethene	8.935	130	153250	44.280	ug/l	100
45) 1,2-Dichloropropane	9.209	63	146097	45.576	ug/l	98
46) Dibromomethane	9.301	93	94486	45.755	ug/l	95
47) Bromodichloromethane	9.496	83	221616	46.603	ug/l	99
48) Methyl methacrylate	9.289	41	118593	44.745	ug/l	94
49) 1,4-Dioxane	9.295	88	31651	824.015	ug/l #	62
51) 4-Methyl-2-Pentanone	10.069	43	761601	223.721	ug/l	94
52) Toluene	10.240	92	346840	44.685	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	232788	47.007	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	245958	45.970	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	134693	44.878	ug/l	96
56) Ethyl methacrylate	10.508	69	196686	45.766	ug/l	92
57) 1,3-Dichloropropane	10.788	76	223990	45.108	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	484555	238.456	ug/l	93
59) 2-Hexanone	10.831	43	577042	229.461	ug/l	93
60) Dibromochloromethane	10.983	129	164880	46.137	ug/l	99
61) 1,2-Dibromoethane	11.087	107	129312	45.138	ug/l	100
64) Tetrachloroethene	10.715	164	158947	45.882	ug/l	97
65) Chlorobenzene	11.514	112	398548	45.607	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	160067	46.745	ug/l	99
67) Ethyl Benzene	11.593	91	687866	44.852	ug/l	97
68) m/p-Xylenes	11.703	106	528494	90.081	ug/l	96
69) o-Xylene	12.026	106	263681	45.931	ug/l	96
70) Styrene	12.044	104	452372	46.109	ug/l	98
71) Bromoform	12.209	173	108272	45.872	ug/l #	100
73) Isopropylbenzene	12.331	105	688438	44.777	ug/l	99
74) N-amyl acetate	12.142	43	238324	45.369	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	169450	45.099	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	129412m	47.221	ug/l	
77) Bromobenzene	12.611	156	170136	45.621	ug/l	99
78) n-propylbenzene	12.672	91	819737	44.577	ug/l	99
79) 2-Chlorotoluene	12.757	91	474368	45.263	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	577896	45.612	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	57560	46.270	ug/l	96
82) 4-Chlorotoluene	12.855	91	496285	45.807	ug/l	100
83) tert-Butylbenzene	13.074	119	514493	44.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	577557	45.498	ug/l	98
85) sec-Butylbenzene	13.251	105	751914	44.202	ug/l	100
86) p-Isopropyltoluene	13.367	119	631815	44.871	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	330799	45.316	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	329063	45.202	ug/l	99
89) n-Butylbenzene	13.696	91	590170	44.609	ug/l	97
90) Hexachloroethane	13.958	117	124554	45.551	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	308469	45.787	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31329	42.705	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	196962	45.687	ug/l	98
94) Hexachlorobutadiene	15.111	225	104198	44.572	ug/l	98
95) Naphthalene	15.239	128	462908	45.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	177840	45.574	ug/l	99

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

