

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112923\
 Data File : VY016535.D
 Acq On : 29 Nov 2023 14:28
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY112923

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/30/2023
 Supervised By :Semsettin Yesilyurt 11/30/2023

Quant Time: Nov 30 03:31:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	179667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.716	114	275498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.514	117	238890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.446	152	108171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	68852	48.506	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.020%		
35) Dibromofluoromethane	7.746	113	78673	48.656	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.320%		
50) Toluene-d8	10.203	98	302166	48.182	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.360%		
62) 4-Bromofluorobenzene	12.502	95	95729	48.659	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	72152	46.102	ug/l	99
3) Chloromethane	2.131	50	74429	47.673	ug/l	96
4) Vinyl Chloride	2.272	62	83415	47.337	ug/l	96
5) Bromomethane	2.674	94	57897	50.756	ug/l	97
6) Chloroethane	2.820	64	55770	49.025	ug/l	100
7) Trichlorofluoromethane	3.156	101	149220	48.915	ug/l	99
8) Diethyl Ether	3.558	74	41808	51.599	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.930	101	85297	49.256	ug/l	98
10) Methyl Iodide	4.125	142	98969	50.515	ug/l	97
11) Tert butyl alcohol	4.985	59	23498	261.186	ug/l #	82
12) 1,1-Dichloroethene	3.905	96	80180	49.542	ug/l	82
13) Acrolein	3.759	56	45596	267.461	ug/l	99
14) Allyl chloride	4.515	41	94766	50.934	ug/l #	88
15) Acrylonitrile	5.198	53	75175	262.191	ug/l	98
16) Acetone	3.973	43	61676	223.245	ug/l #	84
17) Carbon Disulfide	4.229	76	225929	49.480	ug/l	99
18) Methyl Acetate	4.509	43	57527	54.751	ug/l #	81
19) Methyl tert-butyl Ether	5.259	73	187039	53.032	ug/l	97
20) Methylene Chloride	4.753	84	85486	51.587	ug/l #	81
21) trans-1,2-Dichloroethene	5.259	96	90675	50.303	ug/l	88
22) Diisopropyl ether	6.155	45	203991	52.288	ug/l #	83
23) Vinyl Acetate	6.094	43	475324	264.202	ug/l #	87
24) 1,1-Dichloroethane	6.058	63	140162	50.908	ug/l	95
25) 2-Butanone	7.015	43	88556	231.234	ug/l #	80
26) 2,2-Dichloropropane	7.015	77	134296	49.352	ug/l	95
27) cis-1,2-Dichloroethene	7.021	96	99900	51.586	ug/l	85
28) Bromochloromethane	7.368	49	50671	50.923	ug/l #	65
29) Tetrahydrofuran	7.380	42	57219	278.116	ug/l #	78
30) Chloroform	7.539	83	155165	50.563	ug/l	93
31) Cyclohexane	7.819	56	118097	47.391	ug/l #	85
32) 1,1,1-Trichloroethane	7.734	97	148981	50.099	ug/l	95
36) 1,1-Dichloropropene	7.947	75	118130	49.474	ug/l	96
37) Ethyl Acetate	7.106	43	38871	51.941	ug/l #	88
38) Carbon Tetrachloride	7.929	117	138697	49.491	ug/l	99
39) Methylcyclohexane	9.209	83	149501	50.198	ug/l	88
40) Benzene	8.191	78	340691	50.324	ug/l	98

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41) Methacrylonitrile	7.338	41	23577	59.807	ug/l #	82
42) 1,2-Dichloroethane	8.264	62	86705	51.682	ug/l	91
43) Isopropyl Acetate	8.295	43	77966	52.981	ug/l #	83
44) Trichloroethene	8.966	130	106116	50.889	ug/l	92
45) 1,2-Dichloropropane	9.240	63	76839	50.300	ug/l	97
46) Dibromomethane	9.331	93	45278	52.711	ug/l	99
47) Bromodichloromethane	9.520	83	116655	51.437	ug/l	99
48) Methyl methacrylate	9.313	41	44415	53.760	ug/l #	77
49) 1,4-Dioxane	9.319	88	8995	1129.757	ug/l #	73
51) 4-Methyl-2-Pentanone	10.093	43	200073	260.614	ug/l #	84
52) Toluene	10.264	92	220311	50.659	ug/l	95
53) t-1,3-Dichloropropene	10.490	75	110475	52.568	ug/l	98
54) cis-1,3-Dichloropropene	9.953	75	131822	51.764	ug/l #	83
55) 1,1,2-Trichloroethane	10.666	97	63621	51.328	ug/l	94
56) Ethyl methacrylate	10.532	69	57518	54.834	ug/l #	74
57) 1,3-Dichloropropane	10.813	76	104157	52.169	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.807	63	181488	279.797	ug/l #	87
59) 2-Hexanone	10.855	43	142471	234.944	ug/l	80
60) Dibromochloromethane	11.008	129	85180	52.576	ug/l	99
61) 1,2-Dibromoethane	11.111	107	60892	52.021	ug/l	99
64) Tetrachloroethene	10.746	164	107339	50.488	ug/l	97
65) Chlorobenzene	11.538	112	240893	50.353	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.611	131	92467	50.419	ug/l	100
67) Ethyl Benzene	11.618	91	423182	50.391	ug/l	97
68) m/p-Xylenes	11.727	106	328749	101.150	ug/l	92
69) o-Xylene	12.050	106	152021	50.950	ug/l	96
70) Styrene	12.069	104	221674	51.635	ug/l	98
71) Bromoform	12.227	173	50045	52.829	ug/l #	99
73) Isopropylbenzene	12.349	105	419797	51.175	ug/l	98
74) N-amyl acetate	12.166	43	63080	54.451	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.605	83	62568	51.383	ug/l	99
76) 1,2,3-Trichloropropane	12.654	75	43009m	47.355	ug/l	
77) Bromobenzene	12.630	156	97409	50.998	ug/l	87
78) n-propylbenzene	12.690	91	479605	51.104	ug/l	96
79) 2-Chlorotoluene	12.776	91	267621	51.270	ug/l	97
80) 1,3,5-Trimethylbenzene	12.837	105	339209	51.440	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.398	75	21641	51.967	ug/l #	85
82) 4-Chlorotoluene	12.873	91	270113	50.400	ug/l	96
83) tert-Butylbenzene	13.099	119	307589	51.687	ug/l	96
84) 1,2,4-Trimethylbenzene	13.142	105	331193	51.587	ug/l	97
85) sec-Butylbenzene	13.276	105	420802	51.127	ug/l	98
86) p-Isopropyltoluene	13.392	119	369027	51.893	ug/l	97
87) 1,3-Dichlorobenzene	13.385	146	184721	51.216	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	181625	51.450	ug/l	98
89) n-Butylbenzene	13.715	91	322219	51.694	ug/l	95
90) Hexachloroethane	13.983	117	70167	50.571	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	157665	51.581	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	9155	53.443	ug/l	81
93) 1,2,4-Trichlorobenzene	15.025	180	91904	49.147	ug/l	99
94) Hexachlorobutadiene	15.135	225	54273	51.268	ug/l	99
95) Naphthalene	15.257	128	153821	46.604	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	71906	47.332	ug/l	98

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

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