

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111523\
 Data File : VY016374.D
 Acq On : 15 Nov 2023 18:17
 Operator : SY/MD
 Sample : 05425-09 MS
 Misc : 8.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 O-5(5-10)MS

Quant Time: Nov 16 00:07:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	115389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	189764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	169105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	78045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	55963	53.065	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.140%			
35) Dibromofluoromethane	7.734	113	59590	55.279	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.560%			
50) Toluene-d8	10.191	98	230256	52.673	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.340%			
62) 4-Bromofluorobenzene	12.495	95	74595	52.540	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	54381	48.131	ug/l	99
3) Chloromethane	2.125	50	63291	47.831	ug/l	97
4) Vinyl Chloride	2.259	62	68016	47.802	ug/l	97
5) Bromomethane	2.668	94	44898	48.015	ug/l	99
6) Chloroethane	2.808	64	45246	49.834	ug/l	99
7) Trichlorofluoromethane	3.143	101	104311	50.389	ug/l	97
8) Diethyl Ether	3.546	74	31219	50.459	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.918	101	62873	50.426	ug/l	96
10) Methyl Iodide	4.113	142	67741	50.305	ug/l	99
11) Tert butyl alcohol	4.978	59	16451	199.203	ug/l #	83
12) 1,1-Dichloroethene	3.893	96	58498	50.168	ug/l	88
13) Acrolein	3.747	56	16231	162.943	ug/l	99
14) Allyl chloride	4.503	41	82016	49.565	ug/l #	93
15) Acrylonitrile	5.186	53	60485	246.342	ug/l	98
16) Acetone	3.960	43	46755	268.020	ug/l	92
17) Carbon Disulfide	4.216	76	170608	48.493	ug/l	99
18) Methyl Acetate	4.497	43	49720	53.638	ug/l #	88
19) Methyl tert-butyl Ether	5.247	73	142557	50.513	ug/l	98
20) Methylene Chloride	4.741	84	76098	62.630	ug/l	89
21) trans-1,2-Dichloroethene	5.247	96	69189	51.535	ug/l	90
22) Diisopropyl ether	6.137	45	185827	52.110	ug/l	88
23) Vinyl Acetate	6.082	43	393779	227.891	ug/l #	93
24) 1,1-Dichloroethane	6.039	63	115942	52.701	ug/l	97
25) 2-Butanone	7.002	43	70788	231.674	ug/l #	89
26) 2,2-Dichloropropane	7.002	77	103027	51.455	ug/l	97
27) cis-1,2-Dichloroethene	7.008	96	76822	53.095	ug/l	90
28) Bromochloromethane	7.356	49	45029	55.304	ug/l	88
29) Tetrahydrofuran	7.368	42	48107	238.202	ug/l	88
30) Chloroform	7.527	83	123854	54.086	ug/l	95
31) Cyclohexane	7.801	56	96454	46.454	ug/l	90
32) 1,1,1-Trichloroethane	7.716	97	111127	52.940	ug/l	97
36) 1,1-Dichloropropene	7.935	75	93049	49.711	ug/l	98
37) Ethyl Acetate	7.094	43	34931	46.187	ug/l #	96
38) Carbon Tetrachloride	7.917	117	101346	52.168	ug/l	98
39) Methylcyclohexane	9.197	83	109978	47.152	ug/l	91
40) Benzene	8.179	78	287672	54.702	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	20543	53.871	ug/l	92
42) 1,2-Dichloroethane	8.252	62	71334	52.351	ug/l	93
43) Isopropyl Acetate	8.289	43	67924	46.462	ug/l #	89
44) Trichloroethene	8.953	130	76693	50.743	ug/l	95
45) 1,2-Dichloropropane	9.228	63	66097	52.334	ug/l	96
46) Dibromomethane	9.319	93	35811	52.324	ug/l	96
47) Bromodichloromethane	9.508	83	93844	53.334	ug/l	97
48) Methyl methacrylate	9.301	41	38579	47.749	ug/l #	84
49) 1,4-Dioxane	9.307	88	6109	840.762	ug/l #	50
51) 4-Methyl-2-Pentanone	10.081	43	174066	235.460	ug/l	90
52) Toluene	10.258	92	172300	51.830	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	87833	51.493	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	105947	52.003	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	49359	52.324	ug/l	97
56) Ethyl methacrylate	10.520	69	44600	50.086	ug/l #	84
57) 1,3-Dichloropropane	10.800	76	83002	51.619	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.795	63	153749	254.635	ug/l	93
59) 2-Hexanone	10.843	43	116825	212.456	ug/l	88
60) Dibromochloromethane	10.996	129	63949	54.204	ug/l	100
61) 1,2-Dibromoethane	11.099	107	46186	51.391	ug/l	99
64) Tetrachloroethene	10.733	164	74945	49.358	ug/l	97
65) Chlorobenzene	11.526	112	183445	50.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	69860	52.425	ug/l	98
67) Ethyl Benzene	11.605	91	330855	50.955	ug/l	98
68) m/p-Xylenes	11.715	106	255991	103.944	ug/l	95
69) o-Xylene	12.038	106	118671	51.899	ug/l	96
70) Styrene	12.056	104	170694	52.134	ug/l	98
71) Bromoform	12.221	173	35599	51.484	ug/l #	100
73) Isopropylbenzene	12.343	105	326504	51.663	ug/l	99
74) N-amyl acetate	12.154	43	52626	41.456	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.593	83	49570	48.880	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	36818m	49.177	ug/l	
77) Bromobenzene	12.617	156	72398	50.685	ug/l	93
78) n-propylbenzene	12.684	91	368327	49.315	ug/l	99
79) 2-Chlorotoluene	12.770	91	205449	49.914	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	258522	50.736	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	16356	47.420	ug/l	90
82) 4-Chlorotoluene	12.867	91	211543	49.738	ug/l	99
83) tert-Butylbenzene	13.087	119	222799	49.642	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	253956	50.617	ug/l	99
85) sec-Butylbenzene	13.263	105	313283	48.860	ug/l	100
86) p-Isopropyltoluene	13.379	119	271424	49.161	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	137473	50.026	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	134026	49.905	ug/l	99
89) n-Butylbenzene	13.709	91	246012	48.249	ug/l	96
90) Hexachloroethane	13.971	117	54750	51.407	ug/l	87
91) 1,2-Dichlorobenzene	13.751	146	118829	50.463	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	7012	43.459	ug/l	87
93) 1,2,4-Trichlorobenzene	15.019	180	64455	46.893	ug/l	98
94) Hexachlorobutadiene	15.123	225	33350	42.351	ug/l	95
95) Naphthalene	15.245	128	191377	77.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	52330	46.030	ug/l	99

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

