

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111523\
 Data File : VY016375.D
 Acq On : 15 Nov 2023 18:40
 Operator : SY/MD
 Sample : 05425-10 MSD
 Misc : 8.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Nov 16 00:08:27 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	115099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	188990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	165945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	77401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	55578	52.833	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.660%			
35) Dibromofluoromethane	7.734	113	59879	55.775	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.540%			
50) Toluene-d8	10.191	98	229528	52.721	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.440%			
62) 4-Bromofluorobenzene	12.489	95	75105	53.116	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	51334	45.549	ug/l	97
3) Chloromethane	2.125	50	60017	45.471	ug/l	100
4) Vinyl Chloride	2.259	62	64542	45.474	ug/l	95
5) Bromomethane	2.662	94	43942	47.111	ug/l	100
6) Chloroethane	2.808	64	43392	47.913	ug/l	94
7) Trichlorofluoromethane	3.137	101	105153	50.924	ug/l	97
8) Diethyl Ether	3.546	74	31449	50.959	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.918	101	60057	48.289	ug/l	95
10) Methyl Iodide	4.107	142	67690	50.394	ug/l	99
11) Tert butyl alcohol	4.978	59	16310	197.993	ug/l #	83
12) 1,1-Dichloroethene	3.887	96	56184	48.305	ug/l	90
13) Acrolein	3.747	56	18264	183.815	ug/l	99
14) Allyl chloride	4.503	41	79661	48.264	ug/l #	92
15) Acrylonitrile	5.186	53	59994	244.958	ug/l	98
16) Acetone	3.966	43	42672	245.231	ug/l	93
17) Carbon Disulfide	4.216	76	163408	46.563	ug/l	99
18) Methyl Acetate	4.497	43	49253	53.268	ug/l #	89
19) Methyl tert-butyl Ether	5.247	73	141150	50.140	ug/l	99
20) Methylene Chloride	4.741	84	72096	59.298	ug/l	88
21) trans-1,2-Dichloroethene	5.247	96	66556	49.699	ug/l	91
22) Diisopropyl ether	6.137	45	180372	50.708	ug/l #	88
23) Vinyl Acetate	6.082	43	401373	232.871	ug/l #	91
24) 1,1-Dichloroethane	6.039	63	111389	50.759	ug/l	96
25) 2-Butanone	7.008	43	69786	228.970	ug/l	91
26) 2,2-Dichloropropane	7.002	77	98374	49.255	ug/l	96
27) cis-1,2-Dichloroethene	7.002	96	74237	51.438	ug/l	91
28) Bromochloromethane	7.350	49	43618	53.706	ug/l	85
29) Tetrahydrofuran	7.368	42	47213	234.364	ug/l	89
30) Chloroform	7.527	83	119470	52.303	ug/l	97
31) Cyclohexane	7.807	56	91930	44.387	ug/l	91
32) 1,1,1-Trichloroethane	7.722	97	107420	51.303	ug/l	98
36) 1,1-Dichloropropene	7.935	75	88633	47.545	ug/l	98
37) Ethyl Acetate	7.094	43	33167	44.034	ug/l #	93
38) Carbon Tetrachloride	7.923	117	97263	50.272	ug/l	98
39) Methylcyclohexane	9.197	83	105980	45.624	ug/l	92
40) Benzene	8.179	78	261390	49.908	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	19895	52.385	ug/l	91
42) 1,2-Dichloroethane	8.252	62	69848	51.470	ug/l	94
43) Isopropyl Acetate	8.289	43	66019	45.344	ug/l #	89
44) Trichloroethene	8.953	130	74330	49.381	ug/l	98
45) 1,2-Dichloropropane	9.228	63	64050	50.921	ug/l	97
46) Dibromomethane	9.319	93	34255	50.255	ug/l	97
47) Bromodichloromethane	9.508	83	90762	51.794	ug/l	97
48) Methyl methacrylate	9.307	41	36721	45.635	ug/l #	84
49) 1,4-Dioxane	9.313	88	6367	879.859	ug/l #	65
51) 4-Methyl-2-Pentanone	10.081	43	168194	228.448	ug/l	91
52) Toluene	10.258	92	166981	50.436	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	85779	50.494	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	103560	51.040	ug/l #	86
55) 1,1,2-Trichloroethane	10.654	97	48701	51.838	ug/l	98
56) Ethyl methacrylate	10.520	69	43800	49.389	ug/l #	82
57) 1,3-Dichloropropane	10.800	76	81303	50.769	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	159716	265.601	ug/l	93
59) 2-Hexanone	10.843	43	112346	205.147	ug/l	88
60) Dibromochloromethane	10.996	129	62236	52.969	ug/l	100
61) 1,2-Dibromoethane	11.099	107	44907	50.173	ug/l	99
64) Tetrachloroethene	10.733	164	72788	48.850	ug/l	97
65) Chlorobenzene	11.526	112	178375	50.311	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	68721	52.552	ug/l	98
67) Ethyl Benzene	11.605	91	318866	50.044	ug/l	100
68) m/p-Xylenes	11.715	106	243597	100.795	ug/l	94
69) o-Xylene	12.038	106	113081	50.396	ug/l	98
70) Styrene	12.056	104	169019	52.605	ug/l	97
71) Bromoform	12.221	173	34319	50.578	ug/l #	99
73) Isopropylbenzene	12.343	105	305258	48.703	ug/l	99
74) N-amyl acetate	12.154	43	55703	44.245	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.593	83	47878	47.604	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	34148m	45.991	ug/l	
77) Bromobenzene	12.617	156	70418	49.709	ug/l	94
78) n-propylbenzene	12.684	91	357366	48.246	ug/l	99
79) 2-Chlorotoluene	12.770	91	201037	49.249	ug/l	99
80) 1,3,5-Trimethylbenzene	12.824	105	250019	49.476	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	15553	45.467	ug/l	93
82) 4-Chlorotoluene	12.867	91	208516	49.434	ug/l	99
83) tert-Butylbenzene	13.087	119	218476	49.084	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	245356	49.309	ug/l	98
85) sec-Butylbenzene	13.263	105	305769	48.085	ug/l	99
86) p-Isopropyltoluene	13.379	119	265287	48.449	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	136523	50.094	ug/l	100
88) 1,4-Dichlorobenzene	13.458	146	132253	49.654	ug/l	99
89) n-Butylbenzene	13.708	91	242064	47.870	ug/l	96
90) Hexachloroethane	13.971	117	51251	48.522	ug/l	92
91) 1,2-Dichlorobenzene	13.751	146	117600	50.356	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6607	41.290	ug/l	81
93) 1,2,4-Trichlorobenzene	15.019	180	65927	48.363	ug/l	98
94) Hexachlorobutadiene	15.123	225	33969	43.496	ug/l	97
95) Naphthalene	15.245	128	122668	50.314	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	53876	47.784	ug/l	99

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

