

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112023\
 Data File : VY016423.D
 Acq On : 20 Nov 2023 14:31
 Operator : SY/MD
 Sample : VY1120SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1120SBS01

Quant Time: Nov 21 05:12:02 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 11/21/2023
 Supervised By :Semsettin Yesilyurt 11/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	140241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	229407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	204180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	99941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	71280	55.612	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.220%			
35) Dibromofluoromethane	7.728	113	75565	57.985	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.980%			
50) Toluene-d8	10.191	98	286588	54.230	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.460%			
62) 4-Bromofluorobenzene	12.496	95	96390	56.159	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26771	19.495	ug/l	96
3) Chloromethane	2.119	50	29633	18.426	ug/l	99
4) Vinyl Chloride	2.260	62	30165	17.443	ug/l	97
5) Bromomethane	2.656	94	18792	16.535	ug/l	95
6) Chloroethane	2.802	64	19789	17.933	ug/l	95
7) Trichlorofluoromethane	3.137	101	50875	20.221	ug/l	98
8) Diethyl Ether	3.534	74	16353	21.747	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.906	101	30700	20.259	ug/l	97
10) Methyl Iodide	4.107	142	31113	19.010	ug/l	98
11) Tert butyl alcohol	4.960	59	10571	105.319	ug/l #	82
12) 1,1-Dichloroethene	3.881	96	27659	19.517	ug/l	87
13) Acrolein	3.741	56	10575	87.350	ug/l	98
14) Allyl chloride	4.485	41	37812	18.802	ug/l #	90
15) Acrylonitrile	5.174	53	33940	113.735	ug/l	96
16) Acetone	3.954	43	33430	157.676	ug/l #	87
17) Carbon Disulfide	4.210	76	70948	16.592	ug/l	99
18) Methyl Acetate	4.485	43	25711	22.822	ug/l #	87
19) Methyl tert-butyl Ether	5.235	73	74673	21.770	ug/l	97
20) Methylene Chloride	4.729	84	75693	50.577	ug/l	85
21) trans-1,2-Dichloroethene	5.235	96	32030	19.630	ug/l	94
22) Diisopropyl ether	6.131	45	88081	20.323	ug/l #	86
23) Vinyl Acetate	6.070	43	210071	100.030	ug/l #	89
24) 1,1-Dichloroethane	6.027	63	55490	20.753	ug/l	95
25) 2-Butanone	6.997	43	48328	130.139	ug/l #	82
26) 2,2-Dichloropropane	6.997	77	50011	20.551	ug/l	97
27) cis-1,2-Dichloroethene	6.997	96	37889	21.546	ug/l	88
28) Bromochloromethane	7.344	49	20915	21.135	ug/l	83
29) Tetrahydrofuran	7.362	42	25885	105.457	ug/l #	85
30) Chloroform	7.515	83	60890	21.878	ug/l	99
31) Cyclohexane	7.801	56	44095	17.473	ug/l	85
32) 1,1,1-Trichloroethane	7.716	97	54329	21.295	ug/l	97
36) 1,1-Dichloropropene	7.929	75	43540	19.241	ug/l	98
37) Ethyl Acetate	7.088	43	19203	21.003	ug/l #	93
38) Carbon Tetrachloride	7.911	117	50176	21.365	ug/l	99
39) Methylcyclohexane	9.197	83	49955	17.717	ug/l	92
40) Benzene	8.167	78	131185	20.634	ug/l	98

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41) Methacrylonitrile	7.320	41	10779	23.382	ug/l #	84
42) 1,2-Dichloroethane	8.246	62	35710	21.678	ug/l	94
43) Isopropyl Acetate	8.283	43	36051	20.399	ug/l #	87
44) Trichloroethene	8.953	130	38382	21.006	ug/l	92
45) 1,2-Dichloropropane	9.228	63	31687	20.754	ug/l	97
46) Dibromomethane	9.319	93	18796	22.717	ug/l	89
47) Bromodichloromethane	9.508	83	46506	21.863	ug/l	97
48) Methyl methacrylate	9.301	41	19289	19.748	ug/l #	80
49) 1,4-Dioxane	9.313	88	3372	383.882	ug/l #	53
51) 4-Methyl-2-Pentanone	10.081	43	95233	106.561	ug/l	89
52) Toluene	10.258	92	83478	20.772	ug/l	94
53) t-1,3-Dichloropropene	10.478	75	44479	21.570	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	52243	21.212	ug/l #	86
55) 1,1,2-Trichloroethane	10.654	97	26188	22.964	ug/l	97
56) Ethyl methacrylate	10.520	69	23225	21.575	ug/l #	80
57) 1,3-Dichloropropane	10.801	76	43327	22.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	74167	101.607	ug/l	90
59) 2-Hexanone	10.843	43	80393	120.937	ug/l	86
60) Dibromochloromethane	10.996	129	33824	23.716	ug/l	100
61) 1,2-Dibromoethane	11.099	107	24843	22.866	ug/l	97
64) Tetrachloroethene	10.728	164	38577	21.042	ug/l	98
65) Chlorobenzene	11.526	112	92046	21.100	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	35871	22.294	ug/l	98
67) Ethyl Benzene	11.605	91	160168	20.430	ug/l	97
68) m/p-Xylenes	11.715	106	122380	41.156	ug/l	95
69) o-Xylene	12.038	106	58167	21.068	ug/l	96
70) Styrene	12.057	104	85771	21.696	ug/l	97
71) Bromoform	12.221	173	19354	23.182	ug/l #	99
73) Isopropylbenzene	12.343	105	156577	19.347	ug/l	98
74) N-amyl acetate	12.154	43	29909	18.399	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.593	83	28161	21.685	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	20704m	21.595	ug/l	
77) Bromobenzene	12.624	156	38103	20.831	ug/l	93
78) n-propylbenzene	12.685	91	184172	19.256	ug/l	99
79) 2-Chlorotoluene	12.770	91	104724	19.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	129651	19.870	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	8988	20.349	ug/l	92
82) 4-Chlorotoluene	12.867	91	109035	20.020	ug/l	98
83) tert-Butylbenzene	13.087	119	113810	19.802	ug/l	97
84) 1,2,4-Trimethylbenzene	13.130	105	128851	20.055	ug/l	99
85) sec-Butylbenzene	13.264	105	163262	19.884	ug/l	100
86) p-Isopropyltoluene	13.380	119	140982	19.941	ug/l	98
87) 1,3-Dichlorobenzene	13.380	146	71984	20.456	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	71790	20.875	ug/l	99
89) n-Butylbenzene	13.709	91	126502	19.375	ug/l	96
90) Hexachloroethane	13.971	117	27083	19.858	ug/l	94
91) 1,2-Dichlorobenzene	13.751	146	64165	21.279	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4427	21.426	ug/l	90
93) 1,2,4-Trichlorobenzene	15.019	180	36451	20.709	ug/l	99
94) Hexachlorobutadiene	15.123	225	21586	21.406	ug/l	99
95) Naphthalene	15.245	128	67114	21.320	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	30980	21.280	ug/l	98

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

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