

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112023\
 Data File : VY016425.D
 Acq On : 20 Nov 2023 15:16
 Operator : SY/MD
 Sample : VY1120SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1120SBS02

Quant Time: Nov 21 05:13:40 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	7.807	168	155299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	248846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	215210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	102480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	69897	49.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.500%		
35) Dibromofluoromethane	7.734	113	77243	54.643	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.280%		
50) Toluene-d8	10.191	98	293821	51.256	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.520%		
62) 4-Bromofluorobenzene	12.495	95	95833	51.473	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	29579	19.452	ug/l	97
3) Chloromethane	2.125	50	30801	17.295	ug/l	98
4) Vinyl Chloride	2.259	62	33314	17.396	ug/l	97
5) Bromomethane	2.662	94	20809	16.535	ug/l	95
6) Chloroethane	2.808	64	21758	17.806	ug/l	98
7) Trichlorofluoromethane	3.137	101	57525	20.647	ug/l	100
8) Diethyl Ether	3.540	74	15545	18.668	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.918	101	34327	20.456	ug/l	96
10) Methyl Iodide	4.107	142	35073	19.352	ug/l	99
11) Tert butyl alcohol	4.979	59	9959	89.601	ug/l #	82
12) 1,1-Dichloroethene	3.893	96	30489	19.428	ug/l	86
13) Acrolein	3.741	56	10551	78.701	ug/l	100
14) Allyl chloride	4.503	41	41354	18.569	ug/l #	92
15) Acrylonitrile	5.186	53	31042	93.937	ug/l	99
16) Acetone	3.960	43	29402	125.231	ug/l #	85
17) Carbon Disulfide	4.216	76	77787	16.428	ug/l	98
18) Methyl Acetate	4.497	43	22821	18.293	ug/l #	88
19) Methyl tert-butyl Ether	5.241	73	72458	19.076	ug/l	100
20) Methylene Chloride	4.735	84	82724	49.867	ug/l	87
21) trans-1,2-Dichloroethene	5.241	96	34177	18.914	ug/l	86
22) Diisopropyl ether	6.137	45	91219	19.006	ug/l #	87
23) Vinyl Acetate	6.082	43	209585	90.122	ug/l #	90
24) 1,1-Dichloroethane	6.039	63	59172	19.984	ug/l	95
25) 2-Butanone	7.003	43	43403	105.544	ug/l #	87
26) 2,2-Dichloropropane	7.003	77	56512	20.971	ug/l	97
27) cis-1,2-Dichloroethene	7.009	96	39173	20.117	ug/l	90
28) Bromochloromethane	7.356	49	20199	18.433	ug/l #	78
29) Tetrahydrofuran	7.362	42	23288	85.677	ug/l #	85
30) Chloroform	7.527	83	64427	20.905	ug/l	95
31) Cyclohexane	7.807	56	49311	17.646	ug/l #	79
32) 1,1,1-Trichloroethane	7.722	97	59421	21.033	ug/l	95
36) 1,1-Dichloropropene	7.935	75	48813	19.886	ug/l	99
37) Ethyl Acetate	7.094	43	17993	18.142	ug/l #	94
38) Carbon Tetrachloride	7.917	117	55001	21.590	ug/l	98
39) Methylcyclohexane	9.197	83	56775	18.563	ug/l	92
40) Benzene	8.173	78	138683	20.110	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	10378m	20.753	ug/l	
42) 1,2-Dichloroethane	8.252	62	35598	19.922	ug/l	92
43) Isopropyl Acetate	8.289	43	33592	17.522	ug/l #	86
44) Trichloroethene	8.953	130	40552	20.460	ug/l	99
45) 1,2-Dichloropropane	9.228	63	33461	20.203	ug/l	96
46) Dibromomethane	9.319	93	17914	19.960	ug/l	98
47) Bromodichloromethane	9.508	83	47775	20.705	ug/l	95
48) Methyl methacrylate	9.307	41	18616	17.570	ug/l #	83
49) 1,4-Dioxane	9.313	88	3564	374.045	ug/l #	66
51) 4-Methyl-2-Pentanone	10.081	43	87515	90.275	ug/l	89
52) Toluene	10.258	92	87662	20.109	ug/l	96
53) t-1,3-Dichloropropene	10.478	75	45272	20.239	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	53351	19.969	ug/l #	86
55) 1,1,2-Trichloroethane	10.654	97	25730	20.800	ug/l	95
56) Ethyl methacrylate	10.520	69	21725	18.605	ug/l #	83
57) 1,3-Dichloropropane	10.801	76	42688	20.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	70936	89.589	ug/l	91
59) 2-Hexanone	10.843	43	70421	97.660	ug/l	88
60) Dibromochloromethane	10.996	129	32366	20.921	ug/l	97
61) 1,2-Dibromoethane	11.099	107	23960	20.331	ug/l	99
64) Tetrachloroethene	10.734	164	40965	21.199	ug/l	97
65) Chlorobenzene	11.526	112	95726	20.819	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	36432	21.482	ug/l	99
67) Ethyl Benzene	11.605	91	168077	20.340	ug/l	98
68) m/p-Xylenes	11.715	106	129721	41.389	ug/l	93
69) o-Xylene	12.038	106	59946	20.600	ug/l	96
70) Styrene	12.057	104	88071	21.136	ug/l	98
71) Bromoform	12.221	173	18622	21.162	ug/l #	99
73) Isopropylbenzene	12.343	105	168605	20.317	ug/l	100
74) N-amyl acetate	12.154	43	27322	16.391	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.593	83	25198	18.923	ug/l	96
76) 1,2,3-Trichloropropane	12.642	75	19329m	19.662	ug/l	
77) Bromobenzene	12.623	156	37427	19.955	ug/l	94
78) n-propylbenzene	12.684	91	198936	20.285	ug/l	98
79) 2-Chlorotoluene	12.770	91	108975	20.163	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	138333	20.675	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	8619	19.030	ug/l	88
82) 4-Chlorotoluene	12.867	91	113352	20.297	ug/l	99
83) tert-Butylbenzene	13.087	119	122937	20.860	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	135935	20.633	ug/l	98
85) sec-Butylbenzene	13.264	105	174683	20.748	ug/l	100
86) p-Isopropyltoluene	13.379	119	150309	20.733	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	74230	20.572	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	74171	21.033	ug/l	98
89) n-Butylbenzene	13.709	91	138031	20.617	ug/l	96
90) Hexachloroethane	13.971	117	29196	20.877	ug/l	93
91) 1,2-Dichlorobenzene	13.751	146	63525	20.545	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3712	17.521	ug/l	82
93) 1,2,4-Trichlorobenzene	15.019	180	37069	20.539	ug/l	99
94) Hexachlorobutadiene	15.123	225	23479	22.707	ug/l	97
95) Naphthalene	15.245	128	61600	19.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	30279	20.283	ug/l	99

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

