

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120723\
 Data File : VY016631.D
 Acq On : 07 Dec 2023 18:01
 Operator : SY/MD
 Sample : VY1207SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1207SBS02

Quant Time: Dec 08 00:25:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/08/2023
 Supervised By :Semsettin Yesilyurt 12/08/2023

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	184506	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	259469	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	225647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	115447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	81412	47.740	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.480%		
35) Dibromofluoromethane	7.746	113	75948	48.638	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.280%		
50) Toluene-d8	10.203	98	296101	50.132	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.260%		
62) 4-Bromofluorobenzene	12.502	95	101477	52.245	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	35375	21.705	ug/l	99
3) Chloromethane	2.131	50	43044	25.459	ug/l	97
4) Vinyl Chloride	2.266	62	43937	25.733	ug/l	97
5) Bromomethane	2.668	94	27577	25.784	ug/l	98
6) Chloroethane	2.814	64	27697	26.262	ug/l	99
7) Trichlorofluoromethane	3.150	101	80213	24.851	ug/l	97
8) Diethyl Ether	3.552	74	19056	21.198	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.930	101	35552	19.696	ug/l	93
10) Methyl Iodide	4.119	142	38091	19.973	ug/l	96
11) Tert butyl alcohol	4.985	59	9924	85.411	ug/l #	83
12) 1,1-Dichloroethene	3.899	96	32492	19.816	ug/l	89
13) Acrolein	3.747	56	13065	77.344	ug/l	99
14) Allyl chloride	4.515	41	38403	15.347	ug/l #	83
15) Acrylonitrile	5.198	53	27735	76.440	ug/l	97
16) Acetone	3.966	43	37259	96.551	ug/l	96
17) Carbon Disulfide	4.223	76	78700	17.119	ug/l	98
18) Methyl Acetate	4.515	43	19930	13.029	ug/l #	84
19) Methyl tert-butyl Ether	5.259	73	75477	18.725	ug/l	94
20) Methylene Chloride	4.753	84	34963	18.424	ug/l #	84
21) trans-1,2-Dichloroethene	5.253	96	35691	19.356	ug/l	97
22) Diisopropyl ether	6.155	45	80672	15.675	ug/l #	93
23) Vinyl Acetate	6.094	43	194691	78.803	ug/l #	89
24) 1,1-Dichloroethane	6.051	63	56240	17.788	ug/l	98
25) 2-Butanone	7.021	43	40602	76.515	ug/l #	89
26) 2,2-Dichloropropane	7.015	77	62014	20.863	ug/l	98
27) cis-1,2-Dichloroethene	7.021	96	38767	19.100	ug/l	92
28) Bromochloromethane	7.362	49	19794	15.456	ug/l #	56
29) Tetrahydrofuran	7.374	42	20008	66.134	ug/l #	78
30) Chloroform	7.533	83	67352	19.984	ug/l	95
31) Cyclohexane	7.813	56	47932	16.464	ug/l #	82
32) 1,1,1-Trichloroethane	7.734	97	69654	21.838	ug/l	97
36) 1,1-Dichloropropene	7.947	75	48552	20.455	ug/l	97
37) Ethyl Acetate	7.100	43	15480	15.586	ug/l #	94
38) Carbon Tetrachloride	7.929	117	66753	24.292	ug/l	97
39) Methylcyclohexane	9.209	83	58158	20.336	ug/l	88
40) Benzene	8.185	78	132974	19.875	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.356	41	9391m	16.371	ug/l	
42) 1,2-Dichloroethane	8.265	62	43495	22.389	ug/l	98
43) Isopropyl Acetate	8.295	43	30466	15.901	ug/l #	86
44) Trichloroethene	8.966	130	44630	22.120	ug/l	85
45) 1,2-Dichloropropane	9.240	63	28655	17.790	ug/l	100
46) Dibromomethane	9.331	93	17038	19.295	ug/l	91
47) Bromodichloromethane	9.520	83	49974	21.258	ug/l	96
48) Methyl methacrylate	9.313	41	17185	15.530	ug/l	89
49) 1,4-Dioxane	9.319	88	3326	372.130	ug/l #	66
51) 4-Methyl-2-Pentanone	10.087	43	75760	76.084	ug/l	90
52) Toluene	10.264	92	90715	21.634	ug/l	94
53) t-1,3-Dichloropropene	10.484	75	45564	20.537	ug/l	98
54) cis-1,3-Dichloropropene	9.953	75	53229	20.429	ug/l	95
55) 1,1,2-Trichloroethane	10.667	97	23659	19.234	ug/l	96
56) Ethyl methacrylate	10.526	69	20481	18.165	ug/l	90
57) 1,3-Dichloropropane	10.813	76	40255	19.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.807	63	52797	75.986	ug/l #	80
59) 2-Hexanone	10.849	43	64159	85.175	ug/l	92
60) Dibromochloromethane	11.002	129	35177	21.404	ug/l	99
61) 1,2-Dibromoethane	11.112	107	22998	19.879	ug/l	99
64) Tetrachloroethene	10.740	164	47498	22.968	ug/l	97
65) Chlorobenzene	11.532	112	99662	21.806	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.611	131	40946	22.922	ug/l	98
67) Ethyl Benzene	11.611	91	177754	21.686	ug/l	98
68) m/p-Xylenes	11.721	106	139304	44.769	ug/l	95
69) o-Xylene	12.050	106	65691	22.615	ug/l	95
70) Styrene	12.063	104	93619	22.463	ug/l	99
71) Bromoform	12.227	173	21137	21.914	ug/l #	98
73) Isopropylbenzene	12.349	105	185775	21.732	ug/l	98
74) N-amyl acetate	12.160	43	25900	15.194	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.599	83	22026	16.200	ug/l	95
76) 1,2,3-Trichloropropane	12.648	75	18665m	17.898	ug/l	
77) Bromobenzene	12.623	156	44146	21.912	ug/l	83
78) n-propylbenzene	12.691	91	211446	21.251	ug/l	95
79) 2-Chlorotoluene	12.776	91	117372	20.934	ug/l	95
80) 1,3,5-Trimethylbenzene	12.831	105	154354	22.221	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.398	75	7701	16.658	ug/l	96
82) 4-Chlorotoluene	12.873	91	121732	20.982	ug/l	94
83) tert-Butylbenzene	13.093	119	140301	22.607	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	152529	22.481	ug/l	98
85) sec-Butylbenzene	13.270	105	188963	21.679	ug/l	96
86) p-Isopropyltoluene	13.386	119	172101	22.745	ug/l	99
87) 1,3-Dichlorobenzene	13.386	146	86094	22.386	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	83002	21.991	ug/l	100
89) n-Butylbenzene	13.715	91	145269	21.349	ug/l	95
90) Hexachloroethane	13.977	117	31096	20.887	ug/l	92
91) 1,2-Dichlorobenzene	13.757	146	73357	22.216	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.373	75	4010	18.430	ug/l	86
93) 1,2,4-Trichlorobenzene	15.025	180	41818	22.443	ug/l	98
94) Hexachlorobutadiene	15.129	225	29576	25.124	ug/l	95
95) Naphthalene	15.257	128	62922	22.721	ug/l	98
96) 1,2,3-Trichlorobenzene	15.446	180	32630	23.816	ug/l	99

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

