

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
 Data File : VY020693.D
 Acq On : 23 Dec 2024 15:51
 Operator : SY/MD
 Sample : VY1223SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

Quant Time: Dec 23 16:28:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 15:11:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
 Supervised By :Mahesh Dadoda 12/26/2024

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	116113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	161575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	134443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	68792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	52460	51.014	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	102.020%	
35) Dibromofluoromethane	7.646	113	47926	50.516	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	101.040%	
50) Toluene-d8	10.115	98	190819	55.376	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	110.760%	
62) 4-Bromofluorobenzene	12.414	95	63200	50.391	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	100.780%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	19070	21.318	ug/l	96
3) Chloromethane	2.080	50	7726	21.200	ug/l	89
4) Vinyl Chloride	2.214	62	9014	20.287	ug/l	93
5) Bromomethane	2.610	94	6829	21.766	ug/l	98
6) Chloroethane	2.751	64	5481	20.297	ug/l	94
7) Trichlorofluoromethane	3.074	101	33419	20.915	ug/l	92
8) Diethyl Ether	3.464	74	7834	20.483	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.830	101	18473	21.172	ug/l	92
10) Methyl Iodide	4.019	142	19403	19.304	ug/l #	84
11) Tert butyl alcohol	4.884	59	7014	93.353	ug/l #	88
12) 1,1-Dichloroethene	3.811	96	16257	20.994	ug/l #	72
13) Acrolein	3.671	56	2829	146.178	ug/l	96
14) Allyl chloride	4.397	41	19606	21.590	ug/l #	77
15) Acrylonitrile	5.073	53	14391	102.084	ug/l	96
16) Acetone	3.891	43	11433	97.335	ug/l	90
17) Carbon Disulfide	4.122	76	39139	20.272	ug/l	99
18) Methyl Acetate	4.409	43	7884	25.944	ug/l #	85
19) Methyl tert-butyl Ether	5.128	73	43581	20.690	ug/l	92
20) Methylene Chloride	4.628	84	16568	21.167	ug/l #	78
21) trans-1,2-Dichloroethene	5.128	96	17790	21.306	ug/l	89
22) Diisopropyl ether	6.031	45	40004	21.549	ug/l #	81
23) Vinyl Acetate	5.976	43	109581	99.683	ug/l #	90
24) 1,1-Dichloroethane	5.933	63	29890	21.598	ug/l	99
25) 2-Butanone	6.908	43	16204	98.205	ug/l #	82
26) 2,2-Dichloropropane	6.896	77	36752	21.226	ug/l	99
27) cis-1,2-Dichloroethene	6.908	96	20635	20.749	ug/l	92
28) Bromochloromethane	7.262	49	7297	19.983	ug/l #	59
29) Tetrahydrofuran	7.274	42	9439	97.328	ug/l #	67
30) Chloroform	7.433	83	37539	20.636	ug/l	98
31) Cyclohexane	7.713	56	24199	19.943	ug/l #	76
32) 1,1,1-Trichloroethane	7.628	97	41061	21.606	ug/l	96
36) 1,1-Dichloropropene	7.847	75	25245	21.891	ug/l	96
37) Ethyl Acetate	7.000	43	7186	19.067	ug/l #	94
38) Carbon Tetrachloride	7.829	117	40083	21.479	ug/l	95
39) Methylcyclohexane	9.115	83	31014	21.159	ug/l	88
40) Benzene	8.091	78	72425	21.770	ug/l	96

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41) Methacrylonitrile	7.232	41	4429m	20.743	ug/l	
42) 1,2-Dichloroethane	8.164	62	21881	20.681	ug/l	99
43) Isopropyl Acetate	8.207	43	15542	19.841	ug/l #	88
44) Trichloroethene	8.878	130	21118	21.389	ug/l	85
45) 1,2-Dichloropropane	9.146	63	14078	21.538	ug/l	96
46) Dibromomethane	9.237	93	9618	21.314	ug/l	90
47) Bromodichloromethane	9.432	83	27504	21.486	ug/l	97
48) Methyl methacrylate	9.231	41	7342	19.772	ug/l #	74
49) 1,4-Dioxane	9.237	88	1811	427.889	ug/l	88
51) 4-Methyl-2-Pentanone	10.005	43	38532	98.474	ug/l	93
52) Toluene	10.176	92	49502	21.851	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	23556	20.797	ug/l	96
54) cis-1,3-Dichloropropene	9.865	75	27001	21.634	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	12224	20.921	ug/l	94
56) Ethyl methacrylate	10.444	69	14890	19.978	ug/l	88
57) 1,3-Dichloropropane	10.725	76	20055	20.998	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.719	63	25366	91.075	ug/l #	81
59) 2-Hexanone	10.768	43	24683	99.033	ug/l	91
60) Dibromochloromethane	10.914	129	20089	21.535	ug/l	100
61) 1,2-Dibromoethane	11.024	107	11435	20.876	ug/l	100
64) Tetrachloroethene	10.652	164	19601	21.953	ug/l	95
65) Chlorobenzene	11.450	112	55302	22.012	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.523	131	20919	21.323	ug/l	95
67) Ethyl Benzene	11.523	91	98855	21.932	ug/l	98
68) m/p-Xylenes	11.633	106	75012	43.642	ug/l	100
69) o-Xylene	11.962	106	35407	21.930	ug/l	97
70) Styrene	11.975	104	60026	22.103	ug/l	100
71) Bromoform	12.139	173	12130	21.586	ug/l #	100
73) Isopropylbenzene	12.261	105	100172	21.408	ug/l	99
74) N-amyl acetate	12.078	43	12342	18.771	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.517	83	12299	20.425	ug/l	97
76) 1,2,3-Trichloropropane	12.566	75	10132m	21.357	ug/l	
77) Bromobenzene	12.535	156	22661	21.268	ug/l	84
78) n-propylbenzene	12.603	91	112609	21.346	ug/l	95
79) 2-Chlorotoluene	12.688	91	64543	21.492	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	84160	21.685	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	4317	19.781	ug/l	95
82) 4-Chlorotoluene	12.785	91	64790	21.153	ug/l	95
83) tert-Butylbenzene	13.005	119	77381	21.428	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	82010	21.631	ug/l	99
85) sec-Butylbenzene	13.182	105	105840	21.767	ug/l	97
86) p-Isopropyltoluene	13.298	119	93419	21.976	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	44326	21.414	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	43876	21.635	ug/l	99
89) n-Butylbenzene	13.627	91	78283	21.859	ug/l	95
90) Hexachloroethane	13.889	117	16570	20.547	ug/l	83
91) 1,2-Dichlorobenzene	13.669	146	37520	21.121	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	2285	19.915	ug/l	99
93) 1,2,4-Trichlorobenzene	14.931	180	21862	20.729	ug/l	98
94) Hexachlorobutadiene	15.035	225	17176	21.873	ug/l	98
95) Naphthalene	15.151	128	33900	19.644	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	17632	19.997	ug/l	98

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

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