

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY011990.D
 Acq On : 23 Dec 2022 12:16
 Operator : KP/MD
 Sample : VY1223SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 22:24:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	204149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	311457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	280202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	106556	51.808	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.620%			
35) Dibromofluoromethane	7.716	113	95692	51.034	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.060%			
50) Toluene-d8	10.179	98	388085	51.013	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.483	95	130615	51.050	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19735	13.990	ug/l	95
3) Chloromethane	2.113	50	26838	14.771	ug/l	98
4) Vinyl Chloride	2.247	62	31825	15.883	ug/l	100
5) Bromomethane	2.643	94	25580	17.944	ug/l	99
6) Chloroethane	2.790	64	23028	17.582	ug/l	98
7) Trichlorofluoromethane	3.119	101	64053	18.261	ug/l	97
8) Diethyl Ether	3.527	74	21524	19.888	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	36435	18.869	ug/l	97
10) Methyl Iodide	4.088	142	44330	16.593	ug/l	96
11) Tert butyl alcohol	4.948	59	19167	69.461	ug/l	98
12) 1,1-Dichloroethene	3.869	96	35688	18.477	ug/l	98
13) Acrolein	3.723	56	21539	112.028	ug/l	99
14) Allyl chloride	4.472	41	51658	18.162	ug/l	95
15) Acrylonitrile	5.155	53	53427	106.122	ug/l	99
16) Acetone	3.942	43	50296	85.185	ug/l	97
17) Carbon Disulfide	4.192	76	100032	16.236	ug/l	100
18) Methyl Acetate	4.472	43	30111	21.187	ug/l	96
19) Methyl tert-butyl Ether	5.210	73	101741	20.530	ug/l	97
20) Methylene Chloride	4.710	84	51876	18.073	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	41437	18.881	ug/l	95
22) Diisopropyl ether	6.118	45	111475	19.899	ug/l	97
23) Vinyl Acetate	6.058	43	318185	98.723	ug/l	96
24) 1,1-Dichloroethane	6.009	63	70953	19.485	ug/l	100
25) 2-Butanone	6.984	43	67041	97.853	ug/l	97
26) 2,2-Dichloropropane	6.978	77	68148	19.126	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	46003	19.381	ug/l	98
28) Bromochloromethane	7.332	49	19969	19.984	ug/l	90
29) Tetrahydrofuran	7.344	42	40362	103.979	ug/l	94
30) Chloroform	7.502	83	78852	20.091	ug/l	98
31) Cyclohexane	7.783	56	62057	17.923	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	74199	19.876	ug/l	99
36) 1,1-Dichloropropene	7.917	75	58563	19.471	ug/l	98
37) Ethyl Acetate	7.069	43	28073	20.804	ug/l	97
38) Carbon Tetrachloride	7.899	117	70231	20.219	ug/l	97
39) Methylcyclohexane	9.179	83	69694	19.258	ug/l	98
40) Benzene	8.155	78	170143	19.767	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	15432m	23.650	ug/l	
42) 1,2-Dichloroethane	8.234	62	51998	20.985	ug/l	100
43) Isopropyl Acetate	8.271	43	50469	20.479	ug/l	96
44) Trichloroethene	8.935	130	48616	20.039	ug/l	98
45) 1,2-Dichloropropane	9.215	63	39853	20.040	ug/l	98
46) Dibromomethane	9.307	93	23731	20.716	ug/l	97
47) Bromodichloromethane	9.496	83	59655	20.527	ug/l	98
48) Methyl methacrylate	9.295	41	23202	20.334	ug/l	95
49) 1,4-Dioxane	9.295	88	6536	477.884	ug/l #	91
51) 4-Methyl-2-Pentanone	10.069	43	141245	107.484	ug/l	99
52) Toluene	10.240	92	109817	20.026	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	61055	20.791	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	68071	20.622	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	34618	21.296	ug/l	98
56) Ethyl methacrylate	10.508	69	44299	21.524	ug/l	95
57) 1,3-Dichloropropane	10.788	76	56875	20.965	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	85293	107.395	ug/l	95
59) 2-Hexanone	10.831	43	101137	104.615	ug/l	96
60) Dibromochloromethane	10.983	129	43722	21.350	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32157	21.144	ug/l	99
64) Tetrachloroethene	10.715	164	50758	20.695	ug/l	96
65) Chlorobenzene	11.514	112	119927	20.613	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	45149	20.857	ug/l	99
67) Ethyl Benzene	11.593	91	212694	20.225	ug/l	99
68) m/p-Xylenes	11.703	106	168193	41.123	ug/l	98
69) o-Xylene	12.032	106	78558	20.643	ug/l	99
70) Styrene	12.044	104	134392	21.033	ug/l	99
71) Bromoform	12.209	173	28301	22.064	ug/l #	99
73) Isopropylbenzene	12.331	105	215287	20.455	ug/l	100
74) N-amyl acetate	12.142	43	45576	21.122	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	37471	21.341	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	30760m	17.429	ug/l	
77) Bromobenzene	12.611	156	50239	20.633	ug/l	97
78) n-propylbenzene	12.672	91	258639	20.444	ug/l	99
79) 2-Chlorotoluene	12.758	91	144105	20.264	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	185398	20.575	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13730	21.305	ug/l	98
82) 4-Chlorotoluene	12.855	91	151607	20.605	ug/l	99
83) tert-Butylbenzene	13.075	119	158992	20.819	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	183661	20.718	ug/l	98
85) sec-Butylbenzene	13.251	105	235849	20.682	ug/l	98
86) p-Isopropyltoluene	13.367	119	198863	20.667	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	101304	20.688	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	100147	20.572	ug/l	100
89) n-Butylbenzene	13.696	91	177258	20.350	ug/l	99
90) Hexachloroethane	13.965	117	37066	20.189	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	89089	20.868	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7145	23.679	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	52621	20.954	ug/l	98
94) Hexachlorobutadiene	15.111	225	33735	20.789	ug/l	99
95) Naphthalene	15.239	128	99217	20.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	45313	21.342	ug/l	98

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

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