

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021002.D
 Acq On : 31 Jan 2025 11:08
 Operator : SY/MD
 Sample : VY0131SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0131SBSD01

Quant Time: Jan 31 22:22:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
 Supervised By :Semsettin Yesilyurt 02/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	203313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	293649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	251226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	129770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	81920	47.324	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.640%		
35) Dibromofluoromethane	7.640	113	84912	48.099	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.200%		
50) Toluene-d8	10.109	98	323625	46.968	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.940%		
62) 4-Bromofluorobenzene	12.408	95	111079	48.043	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	96.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	33003	19.091	ug/l	100
3) Chloromethane	2.074	50	18365	16.709	ug/l	98
4) Vinyl Chloride	2.208	62	19933	17.590	ug/l	98
5) Bromomethane	2.598	94	14135	18.425	ug/l	94
6) Chloroethane	2.739	64	11463	17.316	ug/l	95
7) Trichlorofluoromethane	3.068	101	53911	19.713	ug/l	99
8) Diethyl Ether	3.458	74	15954	19.541	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	36634	19.893	ug/l	99
10) Methyl Iodide	4.013	142	38401	18.223	ug/l	99
11) Tert butyl alcohol	4.854	59	13101	103.607	ug/l #	94
12) 1,1-Dichloroethene	3.799	96	33072	19.217	ug/l	94
13) Acrolein	3.659	56	16148	110.896	ug/l	100
14) Allyl chloride	4.391	41	43374	18.307	ug/l	98
15) Acrylonitrile	5.073	53	33564	99.945	ug/l	99
16) Acetone	3.872	43	23400	99.181	ug/l	98
17) Carbon Disulfide	4.110	76	100266	18.917	ug/l	100
18) Methyl Acetate	4.391	43	15912	19.274	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	80875	20.191	ug/l	96
20) Methylene Chloride	4.622	84	33523	19.265	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	35376	19.173	ug/l	95
22) Diisopropyl ether	6.025	45	90673	18.776	ug/l	96
23) Vinyl Acetate	5.964	43	260631	97.454	ug/l	100
24) 1,1-Dichloroethane	5.927	63	59540	19.111	ug/l	98
25) 2-Butanone	6.902	43	38442	96.046	ug/l	95
26) 2,2-Dichloropropane	6.890	77	60056	19.578	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	40770	19.224	ug/l	99
28) Bromochloromethane	7.250	49	21907	18.873	ug/l	92
29) Tetrahydrofuran	7.268	42	25775	95.700	ug/l	96
30) Chloroform	7.427	83	66292	19.645	ug/l	98
31) Cyclohexane	7.707	56	56083	18.416	ug/l #	96
32) 1,1,1-Trichloroethane	7.622	97	64866	19.862	ug/l	99
36) 1,1-Dichloropropene	7.841	75	48214	19.144	ug/l	99
37) Ethyl Acetate	6.994	43	19523	20.793	ug/l	98
38) Carbon Tetrachloride	7.823	117	62709	20.121	ug/l	97
39) Methylcyclohexane	9.115	83	64332	19.015	ug/l	98
40) Benzene	8.085	78	146249	19.735	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	9394	18.083	ug/l	92
42) 1,2-Dichloroethane	8.164	62	37659	20.038	ug/l	97
43) Isopropyl Acetate	8.201	43	36061	19.225	ug/l #	81
44) Trichloroethene	8.872	130	39774	19.451	ug/l	95
45) 1,2-Dichloropropane	9.146	63	31124	18.739	ug/l	94
46) Dibromomethane	9.237	93	19429	20.101	ug/l	97
47) Bromodichloromethane	9.426	83	49341	19.438	ug/l	97
48) Methyl methacrylate	9.225	41	16781	18.791	ug/l	93
49) 1,4-Dioxane	9.231	88	4383	426.736	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	93954	97.478	ug/l	98
52) Toluene	10.176	92	95223	19.796	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	45211	19.682	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	52767	19.220	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	26964	20.976	ug/l	95
56) Ethyl methacrylate	10.438	69	32960	19.616	ug/l	99
57) 1,3-Dichloropropane	10.719	76	43278	19.864	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	75748	106.215	ug/l	97
59) 2-Hexanone	10.762	43	60936	97.265	ug/l	99
60) Dibromochloromethane	10.914	129	37604	20.517	ug/l	99
61) 1,2-Dibromoethane	11.018	107	24552	19.997	ug/l	96
64) Tetrachloroethene	10.652	164	37497	19.787	ug/l	98
65) Chlorobenzene	11.444	112	104584	19.759	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	38681	20.591	ug/l	99
67) Ethyl Benzene	11.524	91	179893	19.629	ug/l	100
68) m/p-Xylenes	11.633	106	142007	40.331	ug/l	100
69) o-Xylene	11.956	106	65993	20.161	ug/l	100
70) Styrene	11.975	104	111678	20.550	ug/l	100
71) Bromoform	12.133	173	23334	21.076	ug/l #	100
73) Isopropylbenzene	12.261	105	178806	19.619	ug/l	100
74) N-amyl acetate	12.072	43	31045	18.706	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	28938	19.670	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	19481m	18.963	ug/l	
77) Bromobenzene	12.536	156	42515	19.675	ug/l	99
78) n-propylbenzene	12.597	91	208189	19.490	ug/l	99
79) 2-Chlorotoluene	12.682	91	119302	19.603	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	150314	20.131	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	9610	19.419	ug/l	98
82) 4-Chlorotoluene	12.779	91	122541	19.674	ug/l	98
83) tert-Butylbenzene	12.999	119	134398	19.407	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	146068	20.026	ug/l	99
85) sec-Butylbenzene	13.182	105	193108	19.696	ug/l	99
86) p-Isopropyltoluene	13.298	119	165127	20.041	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	84670	20.096	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	84150	20.113	ug/l	99
89) n-Butylbenzene	13.621	91	143186	19.402	ug/l	99
90) Hexachloroethane	13.883	117	32140	19.281	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	74465	20.267	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4573	20.190	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	43866	19.499	ug/l	99
94) Hexachlorobutadiene	15.029	225	30804	19.770	ug/l	99
95) Naphthalene	15.151	128	70184	20.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	36675	19.858	ug/l	100

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

