

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031825\
 Data File : VY021559.D
 Acq On : 18 Mar 2025 12:41
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Quant Time: Mar 19 01:39:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/19/2025
 Supervised By :Semsettin Yesilyurt 03/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	218379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	345561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	310514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109629	47.497	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.000%		
35) Dibromofluoromethane	7.634	113	104488	46.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.000%		
50) Toluene-d8	10.103	98	378394	43.998	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.000%		
62) 4-Bromofluorobenzene	12.402	95	134986	46.142	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	38444	19.184	ug/l	98
3) Chloromethane	2.068	50	53935	19.090	ug/l	99
4) Vinyl Chloride	2.202	62	64508	20.893	ug/l	96
5) Bromomethane	2.580	94	43981	19.709	ug/l	93
6) Chloroethane	2.726	64	44065	21.596	ug/l	96
7) Trichlorofluoromethane	3.050	101	89844	20.848	ug/l	99
8) Diethyl Ether	3.446	74	24190	20.255	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	49616	20.165	ug/l	98
10) Methyl Iodide	4.001	142	43673	17.462	ug/l	99
11) Tert butyl alcohol	4.854	59	22059	136.787	ug/l #	94
12) 1,1-Dichloroethene	3.787	96	43193	19.255	ug/l	97
13) Acrolein	3.653	56	12884	109.744	ug/l	91
14) Allyl chloride	4.379	41	68262	18.830	ug/l	99
15) Acrylonitrile	5.055	53	57697	113.488	ug/l	99
16) Acetone	3.860	43	53143	105.563	ug/l	100
17) Carbon Disulfide	4.098	76	116681	16.597	ug/l	100
18) Methyl Acetate	4.385	43	26260	23.509	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	117661	20.694	ug/l	98
20) Methylene Chloride	4.610	84	50942	19.277	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	46935	18.683	ug/l	93
22) Diisopropyl ether	6.012	45	157565	20.168	ug/l	100
23) Vinyl Acetate	5.958	43	465497	104.402	ug/l	100
24) 1,1-Dichloroethane	5.915	63	89992	19.517	ug/l	98
25) 2-Butanone	6.890	43	77176	110.823	ug/l	95
26) 2,2-Dichloropropane	6.884	77	80626	19.004	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	54460	19.082	ug/l	99
28) Bromochloromethane	7.244	49	38085	19.702	ug/l	100
29) Tetrahydrofuran	7.256	42	50470	117.395	ug/l	99
30) Chloroform	7.421	83	95004	19.842	ug/l	97
31) Cyclohexane	7.701	56	75514	17.469	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	85148	19.422	ug/l	99
36) 1,1-Dichloropropene	7.829	75	64191	18.054	ug/l	100
37) Ethyl Acetate	6.976	43	35364	22.504	ug/l	99
38) Carbon Tetrachloride	7.817	117	78480	19.193	ug/l	97
39) Methylcyclohexane	9.109	83	76272	17.489	ug/l	99
40) Benzene	8.079	78	198050	18.909	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	17617m	20.588	ug/l	
42) 1,2-Dichloroethane	8.158	62	60008	20.480	ug/l	99
43) Isopropyl Acetate	8.195	43	67249	22.044	ug/l #	87
44) Trichloroethene	8.860	130	50234	18.980	ug/l	97
45) 1,2-Dichloropropane	9.140	63	49311	19.782	ug/l	94
46) Dibromomethane	9.231	93	28205	20.335	ug/l	99
47) Bromodichloromethane	9.420	83	74121	20.123	ug/l	96
48) Methyl methacrylate	9.219	41	29429	21.008	ug/l	96
49) 1,4-Dioxane	9.225	88	7202	529.025	ug/l #	92
51) 4-Methyl-2-Pentanone	9.993	43	178474	113.387	ug/l	99
52) Toluene	10.170	92	125797	19.051	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	64659	19.925	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	74925	19.447	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	38092	20.995	ug/l	97
56) Ethyl methacrylate	10.439	69	49394	21.347	ug/l	97
57) 1,3-Dichloropropane	10.713	76	65232	20.745	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.707	63	110991	103.909	ug/l	99
59) 2-Hexanone	10.762	43	118434	113.793	ug/l	99
60) Dibromochloromethane	10.908	129	52861	21.252	ug/l	99
61) 1,2-Dibromoethane	11.012	107	34941	20.405	ug/l	97
64) Tetrachloroethene	10.646	164	55991	22.175	ug/l	96
65) Chlorobenzene	11.438	112	137458	18.746	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	50044	19.304	ug/l	99
67) Ethyl Benzene	11.518	91	236599	18.383	ug/l	99
68) m/p-Xylenes	11.627	106	180453	36.931	ug/l	99
69) o-Xylene	11.957	106	84993	18.873	ug/l	99
70) Styrene	11.969	104	145550	19.483	ug/l	98
71) Bromoform	12.127	173	30940	21.350	ug/l #	99
73) Isopropylbenzene	12.255	105	229060	17.894	ug/l	100
74) N-amyl acetate	12.072	43	56453	20.307	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	44138	19.539	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	32281m	19.713	ug/l	
77) Bromobenzene	12.530	156	55822	18.640	ug/l	98
78) n-propylbenzene	12.597	91	276086	17.759	ug/l	100
79) 2-Chlorotoluene	12.676	91	157690	17.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	191387	18.398	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	13535	18.790	ug/l	98
82) 4-Chlorotoluene	12.773	91	167077	18.151	ug/l	100
83) tert-Butylbenzene	12.993	119	170410	18.363	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	190769	18.470	ug/l	99
85) sec-Butylbenzene	13.176	105	250241	18.123	ug/l	99
86) p-Isopropyltoluene	13.292	119	207164	18.212	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	109938	18.442	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	110440	18.944	ug/l	99
89) n-Butylbenzene	13.615	91	194363	18.504	ug/l	100
90) Hexachloroethane	13.877	117	44470	18.325	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	99560	19.486	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7637	22.570	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	58406	20.929	ug/l	99
94) Hexachlorobutadiene	15.023	225	36021	20.591	ug/l	99
95) Naphthalene	15.145	128	103556	23.913	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	51680	22.019	ug/l	99

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

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