

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020908.D
 Acq On : 23 Jan 2025 10:52
 Operator : SY/MD
 Sample : VY0123SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0123SBS01

Quant Time: Jan 24 00:15:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin
 Yesilyurt

01/24/2025
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.732	168	250761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.634	114	365684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	297828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.365	152	147781	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.085	65	108719	51.009	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.020%
35) Dibromofluoromethane	7.658	113	123261	53.803	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.600%
50) Toluene-d8	10.127	98	448906	56.209	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.420%
62) 4-Bromofluorobenzene	12.426	95	150793	51.130	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	102.260%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.879	85	26373	14.331	ug/l	97
3) Chloromethane	2.086	50	18090	18.669	ug/l	96
4) Vinyl Chloride	2.220	62	21118	19.605	ug/l	90
5) Bromomethane	2.617	94	12588	16.407	ug/l	96
6) Chloroethane	2.757	64	13381	20.142	ug/l	99
7) Trichlorofluoromethane	3.086	101	55687	16.844	ug/l	98
8) Diethyl Ether	3.476	74	15934	15.412	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.848	101	38811	17.384	ug/l	99
10) Methyl Iodide	4.037	142	46023	19.236	ug/l	95
11) Tert butyl alcohol	4.909	59	14492m	89.983	ug/l	
12) 1,1-Dichloroethene	3.824	96	31734	16.228	ug/l	99
13) Acrolein	3.683	56	4074	90.076	ug/l	96
14) Allyl chloride	4.415	41	47072	16.685	ug/l	95
15) Acrylonitrile	5.092	53	34873	79.366	ug/l	99
16) Acetone	3.903	43	24602	81.171	ug/l	96
17) Carbon Disulfide	4.141	76	59460	14.016	ug/l	97
18) Methyl Acetate	4.415	43	17627	17.224	ug/l	93
19) Methyl tert-butyl Ether	5.147	73	86083	15.598	ug/l	99
20) Methylene Chloride	4.653	84	34380	16.425	ug/l	94
21) trans-1,2-Dichloroethene	5.147	96	34107	15.838	ug/l	100
22) Diisopropyl ether	6.049	45	110034	18.309	ug/l	96
23) Vinyl Acetate	5.994	43	279354	84.304	ug/l	98
24) 1,1-Dichloroethane	5.945	63	68597	17.300	ug/l	100
25) 2-Butanone	6.927	43	40217	80.778	ug/l	97
26) 2,2-Dichloropropane	6.915	77	68559	16.654	ug/l	99
27) cis-1,2-Dichloroethene	6.921	96	44543	16.394	ug/l	97
28) Bromochloromethane	7.268	49	16892	15.788	ug/l	92
29) Tetrahydrofuran	7.293	42	25953	81.603	ug/l	94
30) Chloroform	7.445	83	74184	16.406	ug/l	99
31) Cyclohexane	7.732	56	53848	17.362	ug/l	93
32) 1,1,1-Trichloroethane	7.640	97	71201	16.143	ug/l	99
36) 1,1-Dichloropropene	7.860	75	49570	16.964	ug/l	99
37) Ethyl Acetate	7.012	43	18945	16.292	ug/l	97
38) Carbon Tetrachloride	7.841	117	64569	15.874	ug/l	99
39) Methylcyclohexane	9.128	83	59040	16.465	ug/l	97
40) Benzene	8.103	78	151670	16.912	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	11755	17.651	ug/l	94
42) 1,2-Dichloroethane	8.177	62	39686	16.204	ug/l	99
43) Isopropyl Acetate	8.219	43	39182	16.566	ug/l	98
44) Trichloroethene	8.884	130	41852	16.740	ug/l	95
45) 1,2-Dichloropropane	9.158	63	36646	18.024	ug/l	99
46) Dibromomethane	9.250	93	19167	16.417	ug/l	99
47) Bromodichloromethane	9.445	83	56284	16.833	ug/l	99
48) Methyl methacrylate	9.237	41	16857	15.897	ug/l	99
49) 1,4-Dioxane	9.256	88	3289	265.329	ug/l	92
51) 4-Methyl-2-Pentanone	10.018	43	100038	84.661	ug/l	98
52) Toluene	10.188	92	99271	16.715	ug/l	100
53) t-1,3-Dichloropropene	10.414	75	47373	15.930	ug/l	99
54) cis-1,3-Dichloropropene	9.871	75	56278	16.294	ug/l	97
55) 1,1,2-Trichloroethane	10.591	97	27646	16.575	ug/l	94
56) Ethyl methacrylate	10.457	69	33440	15.875	ug/l	99
57) 1,3-Dichloropropane	10.737	76	46636	17.153	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.731	63	61626	73.745	ug/l	97
59) 2-Hexanone	10.780	43	61089	80.585	ug/l	98
60) Dibromochloromethane	10.926	129	39646	16.389	ug/l	99
61) 1,2-Dibromoethane	11.030	107	24470	16.341	ug/l	99
64) Tetrachloroethene	10.664	164	37039	16.915	ug/l	97
65) Chlorobenzene	11.456	112	110236	16.741	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.536	131	41881	16.707	ug/l	98
67) Ethyl Benzene	11.536	91	192219	16.860	ug/l	99
68) m/p-Xylenes	11.645	106	147284	33.554	ug/l	98
69) o-Xylene	11.975	106	69534	16.707	ug/l	96
70) Styrene	11.987	104	115354	16.466	ug/l	99
71) Bromoform	12.151	173	23570	16.540	ug/l #	97
73) Isopropylbenzene	12.273	105	194720	16.609	ug/l	100
74) N-amyl acetate	12.084	43	31049	16.191	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.523	83	31127	17.518	ug/l	99
76) 1,2,3-Trichloropropane	12.572	75	21344m	16.507	ug/l	
77) Bromobenzene	12.548	156	44070	16.304	ug/l	98
78) n-propylbenzene	12.615	91	225907	16.977	ug/l	100
79) 2-Chlorotoluene	12.694	91	128013	16.705	ug/l	99
80) 1,3,5-Trimethylbenzene	12.755	105	156799	16.503	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.322	75	9550	15.573	ug/l	99
82) 4-Chlorotoluene	12.798	91	130738	16.532	ug/l	97
83) tert-Butylbenzene	13.017	119	151299	17.026	ug/l	95
84) 1,2,4-Trimethylbenzene	13.060	105	153321	16.525	ug/l	99
85) sec-Butylbenzene	13.194	105	213507	17.201	ug/l	100
86) p-Isopropyltoluene	13.310	119	176374	16.657	ug/l	99
87) 1,3-Dichlorobenzene	13.304	146	86674	16.503	ug/l	99
88) 1,4-Dichlorobenzene	13.383	146	85772	16.591	ug/l	99
89) n-Butylbenzene	13.633	91	154421	16.810	ug/l	99
90) Hexachloroethane	13.895	117	35637	16.761	ug/l	98
91) 1,2-Dichlorobenzene	13.676	146	76103	16.573	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.291	75	4204	14.632	ug/l	99
93) 1,2,4-Trichlorobenzene	14.938	180	39925	15.107	ug/l	98
94) Hexachlorobutadiene	15.041	225	29704	15.944	ug/l	99
95) Naphthalene	15.163	128	61320	14.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.346	180	33856	15.291	ug/l	98

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

