

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020939.D
 Acq On : 27 Jan 2025 10:54
 Operator : SY/MD
 Sample : VY0127SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0127SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
 Supervised By :Semsettin Yesilyurt 01/28/2025

Quant Time: Jan 28 01:10:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	284825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	421282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	357449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	177256	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113305	49.894	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.780%
35) Dibromofluoromethane	7.640	113	116966	48.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.720%
50) Toluene-d8	10.109	98	452829	48.271	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.540%
62) 4-Bromofluorobenzene	12.408	95	150937	48.345	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	96.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	45455	21.100	ug/l	98
3) Chloromethane	2.074	50	31860	19.884	ug/l	98
4) Vinyl Chloride	2.208	62	34695	19.868	ug/l	97
5) Bromomethane	2.604	94	22255	18.816	ug/l	97
6) Chloroethane	2.739	64	20662	20.167	ug/l	95
7) Trichlorofluoromethane	3.068	101	77010	20.756	ug/l	98
8) Diethyl Ether	3.464	74	24706	21.666	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	51831	21.171	ug/l	100
10) Methyl Iodide	4.019	142	57895	19.843	ug/l	100
11) Tert butyl alcohol	4.891	59	20731	118.255	ug/l #	84
12) 1,1-Dichloroethene	3.799	96	48946	21.170	ug/l	97
13) Acrolein	3.665	56	28093	118.208	ug/l	96
14) Allyl chloride	4.391	41	68738	21.301	ug/l	98
15) Acrylonitrile	5.080	53	53151	118.575	ug/l	100
16) Acetone	3.885	43	35174	114.319	ug/l	100
17) Carbon Disulfide	4.116	76	149327	20.914	ug/l	99
18) Methyl Acetate	4.403	43	25309	22.770	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	120063	22.421	ug/l	98
20) Methylene Chloride	4.628	84	48793	21.323	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	52984	21.255	ug/l	96
22) Diisopropyl ether	6.031	45	142495	21.953	ug/l	97
23) Vinyl Acetate	5.970	43	413997	115.245	ug/l	100
24) 1,1-Dichloroethane	5.927	63	87580	21.285	ug/l	98
25) 2-Butanone	6.902	43	62660	120.223	ug/l	93
26) 2,2-Dichloropropane	6.896	77	86153	21.258	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	60307	21.437	ug/l	99
28) Bromochloromethane	7.256	49	35375	21.362	ug/l	98
29) Tetrahydrofuran	7.268	42	42351	121.924	ug/l	99
30) Chloroform	7.433	83	92869	21.326	ug/l	98
31) Cyclohexane	7.707	56	84903	20.995	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	90140	21.340	ug/l	100
36) 1,1-Dichloropropene	7.841	75	71237	21.097	ug/l	100
37) Ethyl Acetate	7.000	43	30206	23.056	ug/l	98
38) Carbon Tetrachloride	7.823	117	84923	20.855	ug/l	99
39) Methylcyclohexane	9.115	83	95859	20.969	ug/l	97
40) Benzene	8.091	78	209800	21.178	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	15370	22.209	ug/l	94
42) 1,2-Dichloroethane	8.164	62	53093	21.539	ug/l	98
43) Isopropyl Acetate	8.201	43	58221	23.436	ug/l	100
44) Trichloroethene	8.872	130	56869	21.131	ug/l	99
45) 1,2-Dichloropropane	9.146	63	46640	21.329	ug/l	99
46) Dibromomethane	9.237	93	28025	22.543	ug/l	100
47) Bromodichloromethane	9.426	83	69877	21.125	ug/l	95
48) Methyl methacrylate	9.225	41	26785	22.856	ug/l	98
49) 1,4-Dioxane	9.243	88	6014	469.849	ug/l	89
51) 4-Methyl-2-Pentanone	10.006	43	149292	119.182	ug/l	98
52) Toluene	10.176	92	135955	21.339	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	66836	22.037	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	78415	21.653	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	37955	22.587	ug/l	95
56) Ethyl methacrylate	10.445	69	50841	23.086	ug/l	99
57) 1,3-Dichloropropane	10.725	76	63115	22.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	115619	115.673	ug/l	99
59) 2-Hexanone	10.768	43	97780	121.392	ug/l	99
60) Dibromochloromethane	10.914	129	52852	22.348	ug/l	98
61) 1,2-Dibromoethane	11.018	107	36229	22.541	ug/l	99
64) Tetrachloroethene	10.652	164	52128	20.956	ug/l	97
65) Chlorobenzene	11.450	112	145707	20.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	52164	21.001	ug/l	98
67) Ethyl Benzene	11.524	91	257647	21.124	ug/l	99
68) m/p-Xylenes	11.633	106	198772	42.560	ug/l	100
69) o-Xylene	11.963	106	93925	21.530	ug/l	98
70) Styrene	11.975	104	155592	21.762	ug/l	99
71) Bromoform	12.139	173	32578	23.162	ug/l #	99
73) Isopropylbenzene	12.261	105	250807	20.544	ug/l	100
74) N-amyl acetate	12.078	43	48395	22.278	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	41551	21.875	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	30296m	24.174	ug/l	
77) Bromobenzene	12.536	156	59898	20.931	ug/l	99
78) n-propylbenzene	12.603	91	292813	20.591	ug/l	99
79) 2-Chlorotoluene	12.682	91	165489	20.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	202876	20.682	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	15200	23.432	ug/l	98
82) 4-Chlorotoluene	12.786	91	171989	20.883	ug/l	100
83) tert-Butylbenzene	13.005	119	189901	20.988	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	201137	20.828	ug/l	100
85) sec-Butylbenzene	13.182	105	267350	20.725	ug/l	99
86) p-Isopropyltoluene	13.298	119	228567	20.972	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	115425	21.064	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	114087	21.194	ug/l	99
89) n-Butylbenzene	13.621	91	198093	20.606	ug/l	100
90) Hexachloroethane	13.889	117	43750	20.208	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	100553	21.180	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6433	22.545	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	57558	20.153	ug/l	99
94) Hexachlorobutadiene	15.029	225	37814	19.352	ug/l	98
95) Naphthalene	15.151	128	99439	21.712	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	49787	20.749	ug/l	97

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

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