

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022306.D
 Acq On : 19 May 2025 09:59
 Operator : SY/MD
 Sample : VY0519SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
 Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 20 01:09:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	194565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	331521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	276940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	128146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107354	50.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.634	113	100429	50.755	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.500%			
50) Toluene-d8	10.103	98	414823	51.188	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.380%			
62) 4-Bromofluorobenzene	12.408	95	121910	47.460	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	43055	21.207	ug/l	96
3) Chloromethane	2.068	50	113821	26.652	ug/l	99
4) Vinyl Chloride	2.202	62	128803	26.995	ug/l	99
5) Bromomethane	2.592	94	124608	32.081	ug/l	98
6) Chloroethane	2.733	64	87807	29.581	ug/l	98
7) Trichlorofluoromethane	3.050	101	122549	25.368	ug/l	95
8) Diethyl Ether	3.452	74	24175	20.853	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	45542	21.716	ug/l	99
10) Methyl Iodide	4.001	142	50436	20.779	ug/l	100
11) Tert butyl alcohol	4.879	59	15476	95.307	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45072	21.657	ug/l	95
13) Acrolein	3.653	56	19543	82.326	ug/l	99
14) Allyl chloride	4.385	41	70168	19.228	ug/l	95
15) Acrylonitrile	5.061	53	48359	101.234	ug/l	99
16) Acetone	3.879	43	33255	83.405	ug/l	99
17) Carbon Disulfide	4.104	76	143565	21.154	ug/l	99
18) Methyl Acetate	4.385	43	24721	19.665	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	119462	20.818	ug/l	96
20) Methylene Chloride	4.610	84	50462	19.587	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	48842	21.262	ug/l	99
22) Diisopropyl ether	6.019	45	152437	19.781	ug/l	97
23) Vinyl Acetate	5.958	43	449453	96.539	ug/l	100
24) 1,1-Dichloroethane	5.909	63	89079	20.690	ug/l	98
25) 2-Butanone	6.896	43	61413	92.082	ug/l	99
26) 2,2-Dichloropropane	6.884	77	78841	20.589	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	55830	21.061	ug/l	99
28) Bromochloromethane	7.244	49	38029	20.708	ug/l	99
29) Tetrahydrofuran	7.262	42	42869	99.910	ug/l	98
30) Chloroform	7.421	83	88657	21.469	ug/l	99
31) Cyclohexane	7.701	56	87956	20.447	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	79733	21.045	ug/l	100
36) 1,1-Dichloropropene	7.835	75	67371	20.671	ug/l	99
37) Ethyl Acetate	6.988	43	29722	18.954	ug/l	98
38) Carbon Tetrachloride	7.817	117	69525	20.608	ug/l	97
39) Methylcyclohexane	9.110	83	87625	20.012	ug/l	97
40) Benzene	8.079	78	200424	20.744	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	16084	15.462	ug/l #	80
42) 1,2-Dichloroethane	8.158	62	52712	20.174	ug/l	100
43) Isopropyl Acetate	8.195	43	64516	18.865	ug/l	98
44) Trichloroethene	8.866	130	49650	20.667	ug/l	96
45) 1,2-Dichloropropane	9.140	63	47015	20.183	ug/l	100
46) Dibromomethane	9.231	93	26192	20.847	ug/l	97
47) Bromodichloromethane	9.420	83	66833	20.505	ug/l	98
48) Methyl methacrylate	9.219	41	29452	18.415	ug/l	93
49) 1,4-Dioxane	9.231	88	5547	390.819	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	158163	94.253	ug/l	98
52) Toluene	10.170	92	123710	20.220	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	62382	19.612	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	74146	20.346	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	33457	20.796	ug/l	97
56) Ethyl methacrylate	10.439	69	48821	19.481	ug/l	98
57) 1,3-Dichloropropane	10.719	76	57054	19.960	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	99928	88.837	ug/l	98
59) 2-Hexanone	10.762	43	103950	92.391	ug/l	96
60) Dibromochloromethane	10.914	129	41635	19.938	ug/l	99
61) 1,2-Dibromoethane	11.012	107	29997	20.005	ug/l	98
64) Tetrachloroethene	10.646	164	52068	20.341	ug/l	94
65) Chlorobenzene	11.444	112	128350	20.542	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	43068	20.051	ug/l	99
67) Ethyl Benzene	11.518	91	232654	19.883	ug/l	98
68) m/p-Xylenes	11.627	106	176339	39.993	ug/l	100
69) o-Xylene	11.957	106	83255	19.957	ug/l	99
70) Styrene	11.969	104	140022	19.898	ug/l	99
71) Bromoform	12.133	173	22935	19.782	ug/l #	100
73) Isopropylbenzene	12.255	105	219562	20.682	ug/l	99
74) N-amyl acetate	12.072	43	57158	18.825	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	34577	21.178	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	26521m	20.428	ug/l	
77) Bromobenzene	12.536	156	46327	20.432	ug/l	100
78) n-propylbenzene	12.597	91	265840	20.760	ug/l	99
79) 2-Chlorotoluene	12.682	91	142473	20.246	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	172377	20.114	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12146	18.952	ug/l	94
82) 4-Chlorotoluene	12.780	91	142463	19.682	ug/l	99
83) tert-Butylbenzene	12.999	119	155407	20.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	171885	20.205	ug/l	98
85) sec-Butylbenzene	13.176	105	235679	20.844	ug/l	100
86) p-Isopropyltoluene	13.292	119	191308	20.117	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	91946	19.864	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	90855	20.406	ug/l	99
89) n-Butylbenzene	13.615	91	185056	20.570	ug/l	98
90) Hexachloroethane	13.877	117	38879	20.253	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	77516	19.937	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5591	21.236	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	44362	19.753	ug/l	99
94) Hexachlorobutadiene	15.023	225	25145	20.076	ug/l	96
95) Naphthalene	15.145	128	82889	19.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	36544	19.181	ug/l	98

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

