

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016846.D
 Acq On : 26 Dec 2023 12:03
 Operator : SY/MD
 Sample : VY1226SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1226SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/29/2023
 Supervised By :Semsettin Yesilyurt 12/29/2023

Quant Time: Dec 27 01:31:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	153393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	262146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	223856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	97448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	74090	52.910	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	105.820%	
35) Dibromofluoromethane	7.734	113	78776	52.460	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	104.920%	
50) Toluene-d8	10.191	98	293056	54.137	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	108.280%	
62) 4-Bromofluorobenzene	12.489	95	93758	53.386	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	106.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	26624	20.310	ug/l	97
3) Chloromethane	2.119	50	38583	19.148	ug/l	95
4) Vinyl Chloride	2.259	62	45470	19.978	ug/l	97
5) Bromomethane	2.662	94	32241	19.889	ug/l	96
6) Chloroethane	2.802	64	29925	19.404	ug/l	99
7) Trichlorofluoromethane	3.137	101	54486	20.550	ug/l	98
8) Diethyl Ether	3.546	74	16041	18.913	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.917	101	34573	21.257	ug/l	99
10) Methyl Iodide	4.113	142	27799	16.403	ug/l	98
11) Tert butyl alcohol	4.966	59	12204	106.294	ug/l	96
12) 1,1-Dichloroethene	3.887	96	28746	19.851	ug/l	94
13) Acrolein	3.747	56	11103	125.336	ug/l	93
14) Allyl chloride	4.497	41	45103	20.335	ug/l	100
15) Acrylonitrile	5.179	53	36188	100.751	ug/l	99
16) Acetone	3.960	43	46865	123.765	ug/l	99
17) Carbon Disulfide	4.210	76	71071	18.037	ug/l	99
18) Methyl Acetate	4.497	43	26633	17.998	ug/l	98
19) Methyl tert-butyl Ether	5.246	73	70879	19.022	ug/l	97
20) Methylene Chloride	4.734	84	38405	17.553	ug/l	98
21) trans-1,2-Dichloroethene	5.246	96	33071	20.024	ug/l	98
22) Diisopropyl ether	6.137	45	104775	20.880	ug/l	98
23) Vinyl Acetate	6.076	43	242385	102.130	ug/l	99
24) 1,1-Dichloroethane	6.033	63	62612	20.771	ug/l	98
25) 2-Butanone	7.002	43	57746	110.763	ug/l	100
26) 2,2-Dichloropropane	6.996	77	54313	20.647	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	39289	20.670	ug/l	99
28) Bromochloromethane	7.350	49	22805	19.115	ug/l	99
29) Tetrahydrofuran	7.362	42	28309	99.305	ug/l	96
30) Chloroform	7.520	83	65333	21.172	ug/l	96
31) Cyclohexane	7.801	56	51817	19.313	ug/l #	96
32) 1,1,1-Trichloroethane	7.716	97	56150	20.729	ug/l	99
36) 1,1-Dichloropropene	7.935	75	47949	19.918	ug/l	99
37) Ethyl Acetate	7.094	43	21489	20.826	ug/l	98
38) Carbon Tetrachloride	7.917	117	47908	20.111	ug/l	97
39) Methylcyclohexane	9.197	83	53087	19.100	ug/l	98
40) Benzene	8.173	78	141764	20.236	ug/l	98

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 Supervised By :Semsettin Yesilyurt 12/29/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	12547	22.902	ug/l	94
42) 1,2-Dichloroethane	8.252	62	37002	20.245	ug/l	100
43) Isopropyl Acetate	8.289	43	38637	19.279	ug/l	99
44) Trichloroethene	8.953	130	35474	19.840	ug/l	96
45) 1,2-Dichloropropane	9.227	63	36068	20.525	ug/l	98
46) Dibromomethane	9.319	93	17979	19.804	ug/l	97
47) Bromodichloromethane	9.508	83	48566	20.297	ug/l	98
48) Methyl methacrylate	9.307	41	21007	18.861	ug/l	99
49) 1,4-Dioxane	9.313	88	3499	397.104	ug/l	96
51) 4-Methyl-2-Pentanone	10.081	43	104052	97.446	ug/l	99
52) Toluene	10.258	92	85767	20.430	ug/l	99
53) t-1,3-Dichloropropene	10.477	75	42770	19.603	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	52143	19.813	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	25777	19.901	ug/l	98
56) Ethyl methacrylate	10.520	69	20922	18.369	ug/l	96
57) 1,3-Dichloropropane	10.800	76	43825	19.920	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.794	63	57724	94.211	ug/l	99
59) 2-Hexanone	10.843	43	82442	103.543	ug/l	98
60) Dibromochloromethane	10.995	129	30061	20.063	ug/l	99
61) 1,2-Dibromoethane	11.099	107	22953	19.760	ug/l	99
64) Tetrachloroethene	10.733	164	27499	19.775	ug/l	98
65) Chlorobenzene	11.526	112	88888	20.210	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	33661	20.341	ug/l	99
67) Ethyl Benzene	11.605	91	164094	20.271	ug/l	99
68) m/p-Xylenes	11.709	106	121548	40.661	ug/l	100
69) o-Xylene	12.038	106	55920	20.391	ug/l	100
70) Styrene	12.050	104	81074	19.978	ug/l	98
71) Bromoform	12.215	173	15399	18.665	ug/l #	96
73) Isopropylbenzene	12.337	105	155693	20.515	ug/l	99
74) N-amyl acetate	12.154	43	30504	19.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	29251	19.287	ug/l	97
76) 1,2,3-Trichloropropane	12.641	75	18021m	16.729	ug/l	
77) Bromobenzene	12.617	156	32776	19.796	ug/l	99
78) n-propylbenzene	12.678	91	189427	20.601	ug/l	99
79) 2-Chlorotoluene	12.763	91	104590	20.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	125726	20.928	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.385	75	8196	17.868	ug/l	99
82) 4-Chlorotoluene	12.861	91	107698	20.632	ug/l	100
83) tert-Butylbenzene	13.080	119	105651	20.218	ug/l	96
84) 1,2,4-Trimethylbenzene	13.129	105	123529	20.853	ug/l	99
85) sec-Butylbenzene	13.263	105	164832	21.296	ug/l	100
86) p-Isopropyltoluene	13.379	119	132662	20.581	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	66448	20.536	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	64703	20.479	ug/l	97
89) n-Butylbenzene	13.702	91	130949	21.252	ug/l	100
90) Hexachloroethane	13.971	117	27875	20.768	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	56970	20.667	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3803	19.344	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	29923	20.458	ug/l	98
94) Hexachlorobutadiene	15.123	225	19318	23.254	ug/l	95
95) Naphthalene	15.245	128	50082	18.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	25284	20.297	ug/l	99

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

