

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017492.D
 Acq On : 27 Feb 2024 13:27
 Operator : SY/MD
 Sample : VY0227SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0227SBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024
 Supervised By :Mahesh Dadoda 02/28/2024

Quant Time: Feb 28 00:14:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	146924	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	228490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	200942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73587	52.847	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.700%			
35) Dibromofluoromethane	7.716	113	83446	52.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.820%			
50) Toluene-d8	10.179	98	317474	57.029	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.060%			
62) 4-Bromofluorobenzene	12.477	95	97034	55.463	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25211	23.262	ug/l	97
3) Chloromethane	2.107	50	43711	22.074	ug/l	97
4) Vinyl Chloride	2.241	62	55678	21.917	ug/l	98
5) Bromomethane	2.637	94	45701	22.075	ug/l	95
6) Chloroethane	2.784	64	35661	22.252	ug/l	99
7) Trichlorofluoromethane	3.113	101	59693	23.055	ug/l	96
8) Diethyl Ether	3.521	74	16895	22.248	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.887	101	34252	22.999	ug/l	98
10) Methyl Iodide	4.082	142	36078	21.586	ug/l	97
11) Tert butyl alcohol	4.954	59	11347	95.934	ug/l #	86
12) 1,1-Dichloroethene	3.863	96	31197	22.477	ug/l	97
13) Acrolein	3.722	56	17967	115.125	ug/l	99
14) Allyl chloride	4.472	41	36798	21.942	ug/l	97
15) Acrylonitrile	5.161	53	33685	107.903	ug/l	99
16) Acetone	3.942	43	31640	117.151	ug/l	95
17) Carbon Disulfide	4.186	76	88068	21.140	ug/l	97
18) Methyl Acetate	4.472	43	13033	19.891	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	72133	22.298	ug/l	98
20) Methylene Chloride	4.710	84	42691	24.063	ug/l	97
21) trans-1,2-Dichloroethene	5.204	96	36446	22.427	ug/l	93
22) Diisopropyl ether	6.112	45	88636	22.904	ug/l	98
23) Vinyl Acetate	6.057	43	256808	111.363	ug/l	99
24) 1,1-Dichloroethane	6.009	63	58869	22.266	ug/l	99
25) 2-Butanone	6.978	43	43226	112.306	ug/l	93
26) 2,2-Dichloropropane	6.978	77	48906	22.001	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	41461	22.723	ug/l	96
28) Bromochloromethane	7.325	49	22401	21.514	ug/l	95
29) Tetrahydrofuran	7.344	42	25241	108.789	ug/l	99
30) Chloroform	7.496	83	64177	22.800	ug/l	95
31) Cyclohexane	7.783	56	48199	21.270	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	54981	22.498	ug/l	98
36) 1,1-Dichloropropene	7.911	75	48596	22.622	ug/l	99
37) Ethyl Acetate	7.069	43	18358	21.637	ug/l	98
38) Carbon Tetrachloride	7.899	117	49128	22.818	ug/l	94
39) Methylcyclohexane	9.179	83	55324	21.429	ug/l	96
40) Benzene	8.155	78	145296	22.775	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	11517m	27.050	ug/l	
42) 1,2-Dichloroethane	8.234	62	34891	22.416	ug/l	97
43) Isopropyl Acetate	8.270	43	32928	22.085	ug/l	100
44) Trichloroethene	8.935	130	40996	22.295	ug/l	99
45) 1,2-Dichloropropane	9.215	63	34430	22.684	ug/l	94
46) Dibromomethane	9.301	93	19215	22.121	ug/l	95
47) Bromodichloromethane	9.496	83	48016	22.766	ug/l	97
48) Methyl methacrylate	9.289	41	14184	20.552	ug/l	93
49) 1,4-Dioxane	9.295	88	4452	452.872	ug/l #	96
51) 4-Methyl-2-Pentanone	10.069	43	90321	108.694	ug/l	100
52) Toluene	10.240	92	90774	22.571	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	43715	22.330	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	53040	22.298	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	28071	22.761	ug/l	98
56) Ethyl methacrylate	10.508	69	30209	21.437	ug/l	99
57) 1,3-Dichloropropane	10.788	76	44718	22.301	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	75131	105.568	ug/l	98
59) 2-Hexanone	10.831	43	65096	114.049	ug/l	98
60) Dibromochloromethane	10.983	129	33179	22.741	ug/l	100
61) 1,2-Dibromoethane	11.087	107	25417	22.363	ug/l	99
64) Tetrachloroethene	10.721	164	41013	21.265	ug/l	96
65) Chlorobenzene	11.514	112	97070	22.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	35884	22.458	ug/l	99
67) Ethyl Benzene	11.593	91	165922	22.182	ug/l	97
68) m/p-Xylenes	11.703	106	133488	45.417	ug/l	98
69) o-Xylene	12.026	106	60951	22.353	ug/l	98
70) Styrene	12.044	104	101837	22.499	ug/l	98
71) Bromoform	12.209	173	19680	22.226	ug/l #	99
73) Isopropylbenzene	12.331	105	161146	22.714	ug/l	100
74) N-amyl acetate	12.142	43	28221	22.553	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	29382	24.117	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	20165m	22.224	ug/l	
77) Bromobenzene	12.605	156	38995	22.696	ug/l	97
78) n-propylbenzene	12.672	91	198041	23.264	ug/l	100
79) 2-Chlorotoluene	12.757	91	107801	22.618	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	130849	23.021	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	8984	22.751	ug/l	95
82) 4-Chlorotoluene	12.855	91	111514	22.875	ug/l	96
83) tert-Butylbenzene	13.074	119	114208	22.882	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	128813	22.955	ug/l	99
85) sec-Butylbenzene	13.251	105	176266	23.099	ug/l	100
86) p-Isopropyltoluene	13.367	119	142867	22.870	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	77102	22.357	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	76924	22.944	ug/l	100
89) n-Butylbenzene	13.696	91	131556	23.083	ug/l	99
90) Hexachloroethane	13.958	117	29141	23.269	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	67253	23.055	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3948	23.051	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	37211	24.151	ug/l	98
94) Hexachlorobutadiene	15.111	225	22388	23.534	ug/l	97
95) Naphthalene	15.233	128	58078	21.844	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	31477	23.814	ug/l	98

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

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