

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020224\
 Data File : VY017200.D
 Acq On : 02 Feb 2024 22:59
 Operator : SY/MD
 Sample : VY0202SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0202SBS02

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/05/2024
 Supervised By :Mahesh Dadoda 02/05/2024

Quant Time: Feb 02 23:40:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	123635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	215956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	187109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	81335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	57190	51.780	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	103.560%	
35) Dibromofluoromethane	7.734	113	58371	50.060	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	100.120%	
50) Toluene-d8	10.191	98	213867	50.376	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	100.760%	
62) 4-Bromofluorobenzene	12.495	95	67358	48.434	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	96.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	21426	22.860	ug/l	94
3) Chloromethane	2.119	50	37072	22.018	ug/l	99
4) Vinyl Chloride	2.260	62	42881	20.899	ug/l	99
5) Bromomethane	2.656	94	31986	22.489	ug/l	97
6) Chloroethane	2.796	64	28763	21.711	ug/l	98
7) Trichlorofluoromethane	3.131	101	42793	20.282	ug/l	99
8) Diethyl Ether	3.540	74	14864	22.397	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	26685	20.864	ug/l	99
10) Methyl Iodide	4.107	142	28008	20.830	ug/l	99
11) Tert butyl alcohol	4.979	59	10866	107.485	ug/l	99
12) 1,1-Dichloroethene	3.881	96	24612	20.537	ug/l	97
13) Acrolein	3.741	56	9632	98.134	ug/l	97
14) Allyl chloride	4.497	41	38820	21.427	ug/l	99
15) Acrylonitrile	5.180	53	32543	108.910	ug/l	99
16) Acetone	3.960	43	29663	91.377	ug/l	98
17) Carbon Disulfide	4.210	76	80953	21.161	ug/l	97
18) Methyl Acetate	4.497	43	14525	20.057	ug/l	98
19) Methyl tert-butyl Ether	5.241	73	62326	21.594	ug/l	97
20) Methylene Chloride	4.735	84	33324	23.186	ug/l	97
21) trans-1,2-Dichloroethene	5.235	96	29279	21.476	ug/l	95
22) Diisopropyl ether	6.137	45	89957	22.610	ug/l	98
23) Vinyl Acetate	6.076	43	261441	108.449	ug/l	100
24) 1,1-Dichloroethane	6.033	63	52234	21.431	ug/l	98
25) 2-Butanone	7.003	43	42715	98.982	ug/l	100
26) 2,2-Dichloropropane	6.996	77	38778	19.128	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	33575	22.019	ug/l	98
28) Bromochloromethane	7.344	49	17936	19.219	ug/l	100
29) Tetrahydrofuran	7.368	42	27199	111.573	ug/l	97
30) Chloroform	7.521	83	53776	21.933	ug/l	98
31) Cyclohexane	7.801	56	44498	19.988	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	44056	20.890	ug/l	98
36) 1,1-Dichloropropene	7.935	75	40388	20.080	ug/l	99
37) Ethyl Acetate	7.094	43	18916	20.277	ug/l	96
38) Carbon Tetrachloride	7.917	117	38307	19.892	ug/l	96
39) Methylcyclohexane	9.197	83	44386	18.890	ug/l	98
40) Benzene	8.173	78	122497	21.327	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	8131	18.396	ug/l #	83
42) 1,2-Dichloroethane	8.252	62	32113	21.117	ug/l	100
43) Isopropyl Acetate	8.289	43	34651	20.983	ug/l	100
44) Trichloroethene	8.953	130	30659	21.028	ug/l	93
45) 1,2-Dichloropropane	9.228	63	29939	21.221	ug/l	94
46) Dibromomethane	9.325	93	16460	21.598	ug/l	96
47) Bromodichloromethane	9.508	83	40802	21.393	ug/l	97
48) Methyl methacrylate	9.307	41	15052	19.432	ug/l	94
49) 1,4-Dioxane	9.313	88	3350	403.859	ug/l	98
51) 4-Methyl-2-Pentanone	10.081	43	92373	104.351	ug/l	99
52) Toluene	10.258	92	74037	21.355	ug/l	99
53) t-1,3-Dichloropropene	10.478	75	36880	20.586	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	44387	20.686	ug/l	96
55) 1,1,2-Trichloroethane	10.660	97	22035	21.251	ug/l	96
56) Ethyl methacrylate	10.526	69	26148	20.622	ug/l	97
57) 1,3-Dichloropropane	10.801	76	37815	21.204	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.795	63	61312	94.917	ug/l	99
59) 2-Hexanone	10.843	43	63579	99.326	ug/l	99
60) Dibromochloromethane	10.996	129	26524	21.805	ug/l	95
61) 1,2-Dibromoethane	11.105	107	20537	21.297	ug/l	99
64) Tetrachloroethene	10.734	164	25765	21.203	ug/l	92
65) Chlorobenzene	11.532	112	76205	21.113	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	27346	20.847	ug/l	98
67) Ethyl Benzene	11.605	91	133828	20.515	ug/l	99
68) m/p-Xylenes	11.715	106	103154	41.668	ug/l	99
69) o-Xylene	12.044	106	48039	21.072	ug/l	98
70) Styrene	12.057	104	78501	20.899	ug/l	98
71) Bromoform	12.221	173	14500	21.108	ug/l #	99
73) Isopropylbenzene	12.343	105	123877	20.732	ug/l	100
74) N-amyl acetate	12.154	43	28356	21.120	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.593	83	24938	21.220	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	14753m	19.652	ug/l	
77) Bromobenzene	12.624	156	27967	21.101	ug/l	99
78) n-propylbenzene	12.684	91	154004	20.986	ug/l	99
79) 2-Chlorotoluene	12.770	91	86818	21.519	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	99490	20.936	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	7113	19.688	ug/l	95
82) 4-Chlorotoluene	12.867	91	88934	21.418	ug/l	100
83) tert-Butylbenzene	13.087	119	85203	20.917	ug/l	98
84) 1,2,4-Trimethylbenzene	13.130	105	97954	20.883	ug/l	98
85) sec-Butylbenzene	13.264	105	130506	20.499	ug/l	100
86) p-Isopropyltoluene	13.379	119	104143	20.470	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	55230	20.889	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	54923	21.381	ug/l	99
89) n-Butylbenzene	13.709	91	97286	20.112	ug/l	99
90) Hexachloroethane	13.971	117	21574	20.656	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	47802	21.237	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3252	21.244	ug/l	98
93) 1,2,4-Trichlorobenzene	15.019	180	23461	20.984	ug/l	99
94) Hexachlorobutadiene	15.123	225	13412	20.368	ug/l	99
95) Naphthalene	15.251	128	42513	21.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	19843	20.868	ug/l	96

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

