

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050324\
 Data File : VY018134.D
 Acq On : 03 May 2024 11:19
 Operator : SY/MD
 Sample : VY0503SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0503SBSD01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/06/2024
 Supervised By :Semsettin Yesilyurt 05/06/2024

Quant Time: May 06 02:54:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 16:21:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	260856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	435213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	366970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102482	49.841	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	99.680%	
35) Dibromofluoromethane	7.710	113	121902	48.740	ug/l	-0.01
Spiked Amount 50.000	Range 54	- 147	Recovery	=	97.480%	
50) Toluene-d8	10.179	98	473607	48.506	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	97.020%	
62) 4-Bromofluorobenzene	12.477	95	155072	46.150	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	92.300%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	46169	22.173	ug/l	96
3) Chloromethane	2.107	50	60160	22.112	ug/l	95
4) Vinyl Chloride	2.241	62	69977	23.772	ug/l	100
5) Bromomethane	2.637	94	48460	26.671	ug/l	97
6) Chloroethane	2.784	64	44085	24.048	ug/l	100
7) Trichlorofluoromethane	3.113	101	83990	21.432	ug/l	98
8) Diethyl Ether	3.521	74	27122	21.555	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.881	101	52730	21.561	ug/l	98
10) Methyl Iodide	4.076	142	67090	20.697	ug/l	97
11) Tert butyl alcohol	4.942	59	23127	138.005	ug/l #	75
12) 1,1-Dichloroethene	3.863	96	54422	21.822	ug/l	94
13) Acrolein	3.716	56	27543	110.425	ug/l	98
14) Allyl chloride	4.466	41	70754	21.458	ug/l	97
15) Acrylonitrile	5.155	53	56912	120.412	ug/l	98
16) Acetone	3.936	43	39490	100.815	ug/l	93
17) Carbon Disulfide	4.186	76	154516	20.750	ug/l	100
18) Methyl Acetate	4.466	43	24126	24.049	ug/l	100
19) Methyl tert-butyl Ether	5.210	73	122499	21.406	ug/l	98
20) Methylene Chloride	4.704	84	58666	21.373	ug/l	98
21) trans-1,2-Dichloroethene	5.210	96	57283	21.607	ug/l	93
22) Diisopropyl ether	6.106	45	141970	20.906	ug/l	94
23) Vinyl Acetate	6.051	43	452794	105.127	ug/l	99
24) 1,1-Dichloroethane	6.003	63	88049	21.472	ug/l	98
25) 2-Butanone	6.978	43	68345	112.153	ug/l	94
26) 2,2-Dichloropropane	6.972	77	81919	21.361	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	66866	21.149	ug/l	97
28) Bromochloromethane	7.332	49	35163	21.219	ug/l	95
29) Tetrahydrofuran	7.344	42	45254	116.813	ug/l	97
30) Chloroform	7.502	83	91037	20.980	ug/l	97
31) Cyclohexane	7.783	56	83448	21.181	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	82803	20.907	ug/l	98
36) 1,1-Dichloropropene	7.911	75	69525	20.825	ug/l	97
37) Ethyl Acetate	7.063	43	30265	20.832	ug/l #	96
38) Carbon Tetrachloride	7.899	117	75626	19.958	ug/l	95
39) Methylcyclohexane	9.179	83	98200	20.026	ug/l	98
40) Benzene	8.155	78	221610	20.658	ug/l	97

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41) Methacrylonitrile	7.301	41	19168m	22.372	ug/l	
42) 1,2-Dichloroethane	8.234	62	47994	19.311	ug/l	96
43) Isopropyl Acetate	8.270	43	63051	20.657	ug/l	96
44) Trichloroethene	8.941	130	61032	20.061	ug/l	91
45) 1,2-Dichloropropane	9.209	63	48201	20.593	ug/l	95
46) Dibromomethane	9.301	93	28861	20.281	ug/l	97
47) Bromodichloromethane	9.490	83	68570	19.627	ug/l	98
48) Methyl methacrylate	9.289	41	28573	20.450	ug/l	93
49) 1,4-Dioxane	9.301	88	7621	482.700	ug/l #	99
51) 4-Methyl-2-Pentanone	10.069	43	157747	105.817	ug/l	97
52) Toluene	10.240	92	140439	19.780	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	65516	19.409	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	79286	19.993	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	38994	20.373	ug/l	95
56) Ethyl methacrylate	10.508	69	54931	20.299	ug/l	93
57) 1,3-Dichloropropane	10.788	76	64620	21.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	124481	98.540	ug/l	94
59) 2-Hexanone	10.831	43	111131	104.448	ug/l	95
60) Dibromochloromethane	10.983	129	50652	19.484	ug/l	98
61) 1,2-Dibromoethane	11.087	107	37417	20.401	ug/l	100
64) Tetrachloroethene	10.715	164	52327	19.699	ug/l	97
65) Chlorobenzene	11.514	112	157497	20.334	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	51160	19.635	ug/l	98
67) Ethyl Benzene	11.593	91	264867	20.391	ug/l	94
68) m/p-Xylenes	11.703	106	211817	40.698	ug/l	96
69) o-Xylene	12.026	106	101445	20.289	ug/l	94
70) Styrene	12.044	104	171674	20.400	ug/l	97
71) Bromoform	12.209	173	30409	19.916	ug/l #	93
73) Isopropylbenzene	12.331	105	261214	20.063	ug/l	98
74) N-amyl acetate	12.142	43	57255	20.036	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	43633	21.061	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	28910m	19.913	ug/l	
77) Bromobenzene	12.605	156	61809	19.979	ug/l	92
78) n-propylbenzene	12.672	91	300650	20.053	ug/l	96
79) 2-Chlorotoluene	12.757	91	167015	19.614	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	206771	19.705	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	16054	20.145	ug/l	97
82) 4-Chlorotoluene	12.855	91	171064	19.605	ug/l	96
83) tert-Butylbenzene	13.074	119	192705	20.059	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	205401	19.981	ug/l	97
85) sec-Butylbenzene	13.251	105	278455	20.198	ug/l	97
86) p-Isopropyltoluene	13.367	119	231718	20.169	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	119267	20.156	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	118071	20.245	ug/l	98
89) n-Butylbenzene	13.696	91	211320	20.784	ug/l	98
90) Hexachloroethane	13.958	117	46098	19.749	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	104675	20.301	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6293	20.137	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	63059	21.883	ug/l	99
94) Hexachlorobutadiene	15.111	225	32448	20.342	ug/l	97
95) Naphthalene	15.233	128	116206	21.901	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	53332	22.179	ug/l	99

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

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