

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018284.D
 Acq On : 16 May 2024 13:44
 Operator : SY/MD
 Sample : VY0516SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0516SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2024
 Supervised By :Mahesh Dadoda 05/17/2024

Quant Time: May 17 01:14:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	174200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	293040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	242738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	65761	51.314	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.620%			
35) Dibromofluoromethane	7.710	113	77111	50.070	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.140%			
50) Toluene-d8	10.179	98	308087	50.766	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.483	95	93705	47.812	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	33810	24.474	ug/l	99
3) Chloromethane	2.107	50	47802	25.849	ug/l	98
4) Vinyl Chloride	2.247	62	59143	26.383	ug/l	100
5) Bromomethane	2.644	94	38478	24.715	ug/l	98
6) Chloroethane	2.790	64	36398	25.584	ug/l	100
7) Trichlorofluoromethane	3.119	101	63177	24.060	ug/l	99
8) Diethyl Ether	3.515	74	18483	21.382	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	39424	23.558	ug/l	98
10) Methyl Iodide	4.082	142	44719	22.884	ug/l	100
11) Tert butyl alcohol	4.942	59	19209	166.590	ug/l #	87
12) 1,1-Dichloroethene	3.857	96	40197	23.861	ug/l	98
13) Acrolein	3.716	56	14986	117.254	ug/l	98
14) Allyl chloride	4.472	41	50545	23.584	ug/l	98
15) Acrylonitrile	5.149	53	37662	113.297	ug/l	97
16) Acetone	3.936	43	27770	108.586	ug/l	90
17) Carbon Disulfide	4.186	76	116148	25.325	ug/l	100
18) Methyl Acetate	4.460	43	16159	22.181	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	83108	22.146	ug/l	96
20) Methylene Chloride	4.704	84	44358	24.539	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	42157	23.607	ug/l	99
22) Diisopropyl ether	6.112	45	103895	22.852	ug/l	96
23) Vinyl Acetate	6.051	43	308968	111.813	ug/l	98
24) 1,1-Dichloroethane	6.003	63	65377	23.348	ug/l	99
25) 2-Butanone	6.978	43	46655	114.126	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	61098	24.108	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	48447	22.956	ug/l	98
28) Bromochloromethane	7.332	49	22066	19.716	ug/l	97
29) Tetrahydrofuran	7.344	42	29462	109.180	ug/l	94
30) Chloroform	7.502	83	66821	22.858	ug/l	99
31) Cyclohexane	7.777	56	64937	24.968	ug/l	99
32) 1,1,1-Trichloroethane	7.697	97	61851	23.606	ug/l	99
36) 1,1-Dichloropropene	7.917	75	54124	24.515	ug/l	100
37) Ethyl Acetate	7.070	43	21096	22.703	ug/l	96
38) Carbon Tetrachloride	7.899	117	54917	22.765	ug/l	93
39) Methylcyclohexane	9.179	83	74515	23.395	ug/l	96
40) Benzene	8.155	78	163020	22.955	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	10602	19.758	ug/l	97
42) 1,2-Dichloroethane	8.234	62	34369	22.243	ug/l	99
43) Isopropyl Acetate	8.271	43	40902	21.474	ug/l	96
44) Trichloroethene	8.935	130	43615	22.561	ug/l	91
45) 1,2-Dichloropropane	9.209	63	33885	21.825	ug/l	100
46) Dibromomethane	9.301	93	18859	21.129	ug/l	99
47) Bromodichloromethane	9.496	83	47494	21.524	ug/l	93
48) Methyl methacrylate	9.295	41	18274	20.934	ug/l	94
49) 1,4-Dioxane	9.289	88	4755	401.349	ug/l #	98
51) 4-Methyl-2-Pentanone	10.069	43	100738	105.230	ug/l	96
52) Toluene	10.240	92	102882	22.503	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	43515	21.113	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	53227	21.127	ug/l #	92
55) 1,1,2-Trichloroethane	10.642	97	25961	21.173	ug/l	98
56) Ethyl methacrylate	10.508	69	34791	20.893	ug/l	91
57) 1,3-Dichloropropane	10.788	76	43550	21.824	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	68604	86.277	ug/l	98
59) 2-Hexanone	10.831	43	68868	102.887	ug/l	94
60) Dibromochloromethane	10.983	129	32170	20.223	ug/l	99
61) 1,2-Dibromoethane	11.087	107	24400	21.128	ug/l	96
64) Tetrachloroethene	10.721	164	38857	24.043	ug/l	98
65) Chlorobenzene	11.514	112	109105	22.069	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	33893	21.194	ug/l	98
67) Ethyl Benzene	11.593	91	191382	22.927	ug/l	94
68) m/p-Xylenes	11.703	106	152524	46.206	ug/l	96
69) o-Xylene	12.026	106	69419	21.914	ug/l	99
70) Styrene	12.044	104	116270	21.978	ug/l	98
71) Bromoform	12.209	173	16923	19.126	ug/l #	99
73) Isopropylbenzene	12.331	105	186912	23.461	ug/l	98
74) N-amyl acetate	12.142	43	35759	21.622	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	27224	21.421	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	19054m	22.403	ug/l	
77) Bromobenzene	12.611	156	40404	22.076	ug/l	96
78) n-propylbenzene	12.672	91	219532	23.691	ug/l	98
79) 2-Chlorotoluene	12.758	91	116708	22.665	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	144311	22.972	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	8264	18.720	ug/l	88
82) 4-Chlorotoluene	12.855	91	118105	22.834	ug/l	96
83) tert-Butylbenzene	13.075	119	134712	23.248	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	142066	23.086	ug/l	99
85) sec-Butylbenzene	13.251	105	200330	23.570	ug/l	99
86) p-Isopropyltoluene	13.367	119	158713	22.699	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	77998	22.067	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	75894	22.026	ug/l	98
89) n-Butylbenzene	13.696	91	149003	23.547	ug/l	99
90) Hexachloroethane	13.959	117	30035	21.895	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	65489	21.557	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3531	20.405	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	34038	19.930	ug/l	98
94) Hexachlorobutadiene	15.111	225	19738	20.946	ug/l	97
95) Naphthalene	15.233	128	59061	18.872	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27058	19.305	ug/l	97

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

