

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017500.D
 Acq On : 27 Feb 2024 16:40
 Operator : SY/MD
 Sample : VY0227SBSD02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0227SBSD02

Quant Time: Feb 28 00:18:24 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	137792	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	209031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	186999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	69977	53.585	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.180%			
35) Dibromofluoromethane	7.716	113	81410	55.891	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.780%			
50) Toluene-d8	10.179	98	309653	60.802	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 121.600%			
62) 4-Bromofluorobenzene	12.483	95	93676	58.528	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25297	24.888	ug/l	95
3) Chloromethane	2.101	50	42608	22.943	ug/l	95
4) Vinyl Chloride	2.241	62	53438	22.429	ug/l	99
5) Bromomethane	2.644	94	48092	24.769	ug/l	98
6) Chloroethane	2.784	64	28566	19.006	ug/l	99
7) Trichlorofluoromethane	3.113	101	95850	39.473	ug/l	92
8) Diethyl Ether	3.528	74	27012	37.927	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.875	101	58477	41.867	ug/l	92
10) Methyl Iodide	4.070	142	45910	29.289	ug/l	98
11) Tert butyl alcohol	5.082	59	10179m	91.762	ug/l	
12) 1,1-Dichloroethene	3.851	96	53275	40.928	ug/l	93
13) Acrolein	3.735	56	22861	156.191	ug/l	95
14) Allyl chloride	4.460	41	55063	35.010	ug/l	89
15) Acrylonitrile	5.180	53	46454	158.668	ug/l	96
16) Acetone	3.979	43	35615	140.609	ug/l	96
17) Carbon Disulfide	4.168	76	141271	36.158	ug/l	99
18) Methyl Acetate	4.491	43	17225	28.031	ug/l	92
19) Methyl tert-butyl Ether	5.235	73	124497	41.035	ug/l	98
20) Methylene Chloride	4.698	84	77858	52.604	ug/l	92
21) trans-1,2-Dichloroethene	5.198	96	61799	40.549	ug/l	94
22) Diisopropyl ether	6.137	45	87417	24.086	ug/l	99
23) Vinyl Acetate	6.064	43	254352m	117.608	ug/l	
24) 1,1-Dichloroethane	5.997	63	60107	24.241	ug/l	98
25) 2-Butanone	7.027	43	34663	96.027	ug/l	91
26) 2,2-Dichloropropane	6.972	77	47247	22.664	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	37088	21.674	ug/l	98
28) Bromochloromethane	7.332	49	20247	20.734	ug/l	99
29) Tetrahydrofuran	7.374	42	20235	92.993	ug/l	96
30) Chloroform	7.503	83	61192	23.180	ug/l	99
31) Cyclohexane	7.771	56	45672	21.490	ug/l	99
32) 1,1,1-Trichloroethane	7.691	97	52604	22.952	ug/l	99
36) 1,1-Dichloropropene	7.911	75	45700	23.254	ug/l	99
37) Ethyl Acetate	7.100	43	17743	22.859	ug/l	99
38) Carbon Tetrachloride	7.887	117	47113	23.920	ug/l	98
39) Methylcyclohexane	9.179	83	51456	21.787	ug/l	99
40) Benzene	8.155	78	135966	23.297	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	8664	22.243	ug/l	94
42) 1,2-Dichloroethane	8.234	62	32501	22.824	ug/l	98
43) Isopropyl Acetate	8.289	43	29717	21.787	ug/l #	86
44) Trichloroethene	8.935	130	39112	23.251	ug/l	98
45) 1,2-Dichloropropane	9.216	63	32649	23.513	ug/l	99
46) Dibromomethane	9.301	93	17992	22.641	ug/l	97
47) Bromodichloromethane	9.496	83	44947	23.294	ug/l	100
48) Methyl methacrylate	9.295	41	13225	20.947	ug/l	98
49) 1,4-Dioxane	9.356	88	1611	179.132	ug/l #	12
51) 4-Methyl-2-Pentanone	10.075	43	79640	104.762	ug/l	99
52) Toluene	10.240	92	85763	23.310	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	39196	21.886	ug/l	92
54) cis-1,3-Dichloropropene	9.929	75	48843	22.445	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	25206	22.340	ug/l	94
56) Ethyl methacrylate	10.514	69	26761	20.838	ug/l	98
57) 1,3-Dichloropropane	10.788	76	41432	22.586	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	67315	103.391	ug/l	99
59) 2-Hexanone	10.837	43	57048	109.253	ug/l	98
60) Dibromochloromethane	10.984	129	30546	22.885	ug/l	98
61) 1,2-Dibromoethane	11.087	107	23418	22.523	ug/l	99
64) Tetrachloroethene	10.715	164	40460	22.542	ug/l	99
65) Chlorobenzene	11.514	112	89609	22.576	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	33902	22.799	ug/l	99
67) Ethyl Benzene	11.593	91	153064	21.989	ug/l	97
68) m/p-Xylenes	11.703	106	124546	45.534	ug/l	98
69) o-Xylene	12.032	106	55629	21.922	ug/l	97
70) Styrene	12.044	104	94558	22.449	ug/l	99
71) Bromoform	12.209	173	18134	22.007	ug/l #	95
73) Isopropylbenzene	12.331	105	148093	22.299	ug/l	99
74) N-amyl acetate	12.142	43	24799	21.171	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	26050	22.842	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	19181m	22.583	ug/l	
77) Bromobenzene	12.611	156	35455	22.045	ug/l	98
78) n-propylbenzene	12.672	91	183497	23.027	ug/l	99
79) 2-Chlorotoluene	12.758	91	99408	22.281	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	120506	22.648	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	7871	21.293	ug/l	98
82) 4-Chlorotoluene	12.855	91	103415	22.662	ug/l	98
83) tert-Butylbenzene	13.075	119	104077	22.275	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	117868	22.439	ug/l	99
85) sec-Butylbenzene	13.251	105	163995	22.958	ug/l	100
86) p-Isopropyltoluene	13.367	119	129639	22.169	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	71337	22.098	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	70113	22.340	ug/l	99
89) n-Butylbenzene	13.697	91	119346	22.370	ug/l	98
90) Hexachloroethane	13.959	117	27422	23.391	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	61414	22.491	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3629	22.635	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	33119	22.962	ug/l	98
94) Hexachlorobutadiene	15.111	225	21000	23.582	ug/l	96
95) Naphthalene	15.239	128	50468	20.559	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	28111	22.719	ug/l	99

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

