

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090523\
 Data File : VY015433.D
 Acq On : 05 Sep 2023 14:55
 Operator : SY/MD
 Sample : VY0905SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0905SBS02

Quant Time: Sep 06 01:43:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/06/2023
 Supervised By :Semsettin Yesilyurt 09/06/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	173234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	292400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	269721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	95755	51.563	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.120%			
35) Dibromofluoromethane	7.704	113	86241	51.207	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.420%			
50) Toluene-d8	10.173	98	302491	49.597	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.477	95	112269	49.585	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23309	15.479	ug/l	92
3) Chloromethane	2.107	50	30275	15.138	ug/l	97
4) Vinyl Chloride	2.241	62	35699	15.336	ug/l	97
5) Bromomethane	2.613	94	28030	16.923	ug/l	96
6) Chloroethane	2.772	64	25027	16.357	ug/l	97
7) Trichlorofluoromethane	3.101	101	56251	17.084	ug/l	97
8) Diethyl Ether	3.521	74	22780	20.244	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.875	101	33184	18.183	ug/l	96
10) Methyl Iodide	4.070	142	31323	14.616	ug/l	95
11) Tert butyl alcohol	4.917	59	86491	206.215	ug/l #	89
12) 1,1-Dichloroethene	3.857	96	29950	17.392	ug/l	89
13) Acrolein	3.716	56	30967	68.873	ug/l	96
14) Allyl chloride	4.460	41	53660	19.571	ug/l	95
15) Acrylonitrile	5.149	53	77653	109.667	ug/l	99
16) Acetone	3.936	43	77770	100.333	ug/l	96
17) Carbon Disulfide	4.174	76	67042	13.022	ug/l	97
18) Methyl Acetate	4.460	43	61901	22.048	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	114589	20.473	ug/l	96
20) Methylene Chloride	4.698	84	57987	19.041	ug/l	93
21) trans-1,2-Dichloroethene	5.204	96	36313	18.312	ug/l	98
22) Diisopropyl ether	6.106	45	124787	20.810	ug/l	93
23) Vinyl Acetate	6.045	43	368410	97.306	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	69491	20.047	ug/l	95
25) 2-Butanone	6.972	43	119656	108.840	ug/l	98
26) 2,2-Dichloropropane	6.972	77	57348	19.478	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	45261	20.120	ug/l	97
28) Bromochloromethane	7.319	49	22256	20.937	ug/l	96
29) Tetrahydrofuran	7.344	42	74634	108.105	ug/l	95
30) Chloroform	7.496	83	74418	20.422	ug/l	92
31) Cyclohexane	7.777	56	53330	16.167	ug/l #	84
32) 1,1,1-Trichloroethane	7.691	97	63374	19.471	ug/l	99
36) 1,1-Dichloropropene	7.911	75	50939	17.225	ug/l	99
37) Ethyl Acetate	7.070	43	48156	21.114	ug/l	96
38) Carbon Tetrachloride	7.893	117	53982	17.674	ug/l	98
39) Methylcyclohexane	9.179	83	58151	15.620	ug/l	92
40) Benzene	8.149	78	155507	18.848	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	24564m	22.967	ug/l	
42) 1,2-Dichloroethane	8.228	62	51873	18.855	ug/l	94
43) Isopropyl Acetate	8.264	43	80259	20.350	ug/l	98
44) Trichloroethene	8.935	130	44832	19.205	ug/l	95
45) 1,2-Dichloropropane	9.209	63	42165	20.273	ug/l	93
46) Dibromomethane	9.301	93	26881	19.457	ug/l	96
47) Bromodichloromethane	9.490	83	58982	19.963	ug/l	99
48) Methyl methacrylate	9.289	41	34711	19.183	ug/l	92
49) 1,4-Dioxane	9.295	88	10721	417.775	ug/l #	46
51) 4-Methyl-2-Pentanone	10.063	43	243640	106.287	ug/l	94
52) Toluene	10.240	92	100700	19.043	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	60834	19.374	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	66799	19.557	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	38064	20.447	ug/l	96
56) Ethyl methacrylate	10.508	69	55219	20.017	ug/l	89
57) 1,3-Dichloropropane	10.788	76	64758	20.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	109178	110.880	ug/l	97
59) 2-Hexanone	10.831	43	177717	103.323	ug/l	93
60) Dibromochloromethane	10.977	129	44692	20.512	ug/l	99
61) 1,2-Dibromoethane	11.087	107	38098	20.197	ug/l	98
64) Tetrachloroethene	10.715	164	53045	21.667	ug/l	96
65) Chlorobenzene	11.514	112	112041	19.277	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	42301	19.884	ug/l	98
67) Ethyl Benzene	11.587	91	195153	18.699	ug/l	99
68) m/p-Xylenes	11.697	106	151912	37.552	ug/l	95
69) o-Xylene	12.026	106	72475	18.746	ug/l	99
70) Styrene	12.038	104	127352	19.591	ug/l	96
71) Bromoform	12.203	173	29985	20.206	ug/l #	100
73) Isopropylbenzene	12.325	105	191235	18.373	ug/l	99
74) N-amyl acetate	12.142	43	68205	19.505	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	48696	19.598	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	36308m	19.759	ug/l	
77) Bromobenzene	12.605	156	48094	19.509	ug/l	97
78) n-propylbenzene	12.666	91	234984	18.658	ug/l	99
79) 2-Chlorotoluene	12.751	91	133071	18.838	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	163664	18.799	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	14987	17.991	ug/l	98
82) 4-Chlorotoluene	12.849	91	138877	18.916	ug/l	98
83) tert-Butylbenzene	13.068	119	141053	18.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	163014	18.859	ug/l	98
85) sec-Butylbenzene	13.251	105	212051	18.644	ug/l	100
86) p-Isopropyltoluene	13.367	119	176325	18.498	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	94993	19.519	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	97383	19.795	ug/l	99
89) n-Butylbenzene	13.690	91	168046	18.730	ug/l	97
90) Hexachloroethane	13.959	117	32692	19.176	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	89171	20.077	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9829	19.997	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	55797	20.005	ug/l	99
94) Hexachlorobutadiene	15.105	225	28999	19.067	ug/l	98
95) Naphthalene	15.233	128	139065	20.127	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51372	20.192	ug/l	99

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

