

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092523\
 Data File : VY015698.D
 Acq On : 25 Sep 2023 11:44
 Operator : SY/MD
 Sample : VY0925SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0925SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2023
 Supervised By :Semsettin Yesilyurt 09/26/2023

Quant Time: Sep 26 04:23:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	152794	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	257802	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	234242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	71084	42.283	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.560%		
35) Dibromofluoromethane	7.722	113	69090	44.775	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.560%		
50) Toluene-d8	10.185	98	217414	41.556	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	83.120%		
62) 4-Bromofluorobenzene	12.489	95	87770	42.749	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19403	19.265	ug/l	99
3) Chloromethane	2.107	50	23800	18.731	ug/l	100
4) Vinyl Chloride	2.247	62	28422	19.564	ug/l	96
5) Bromomethane	2.650	94	19984	16.261	ug/l	98
6) Chloroethane	2.784	64	19211	17.841	ug/l	94
7) Trichlorofluoromethane	3.113	101	52741	21.647	ug/l	99
8) Diethyl Ether	3.534	74	21461	20.656	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.893	101	32442	21.267	ug/l	93
10) Methyl Iodide	4.088	142	26900	16.906	ug/l	98
11) Tert butyl alcohol	4.997	59	53395	136.158	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	26117	19.429	ug/l	92
13) Acrolein	3.741	56	23947	93.010	ug/l	97
14) Allyl chloride	4.479	41	49713	20.227	ug/l	93
15) Acrylonitrile	5.180	53	89833	117.862	ug/l	98
16) Acetone	3.967	43	111211	123.611	ug/l	95
17) Carbon Disulfide	4.192	76	45704	17.502	ug/l	97
18) Methyl Acetate	4.485	43	69072	22.882	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	115198	21.041	ug/l	97
20) Methylene Chloride	4.716	84	43713	19.205	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	31549	20.533	ug/l	87
22) Diisopropyl ether	6.131	45	123979	20.961	ug/l	94
23) Vinyl Acetate	6.064	43	393056	107.663	ug/l	97
24) 1,1-Dichloroethane	6.021	63	65644	20.362	ug/l	97
25) 2-Butanone	6.996	43	153031	120.339	ug/l	98
26) 2,2-Dichloropropane	6.984	77	56885	19.305	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	41715	20.451	ug/l	95
28) Bromochloromethane	7.338	49	14471	16.544	ug/l	99
29) Tetrahydrofuran	7.362	42	87183	121.296	ug/l	93
30) Chloroform	7.515	83	72335	20.951	ug/l	93
31) Cyclohexane	7.789	56	45372	19.482	ug/l	88
32) 1,1,1-Trichloroethane	7.710	97	59051	20.719	ug/l	98
36) 1,1-Dichloropropene	7.923	75	45273	19.844	ug/l	98
37) Ethyl Acetate	7.082	43	56138	24.668	ug/l	97
38) Carbon Tetrachloride	7.905	117	50954	20.575	ug/l	99
39) Methylcyclohexane	9.185	83	49756	19.717	ug/l	94
40) Benzene	8.167	78	141647	20.359	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	22971	18.747	ug/l	90
42) 1,2-Dichloroethane	8.240	62	49435	20.746	ug/l	94
43) Isopropyl Acetate	8.283	43	87330	22.465	ug/l	98
44) Trichloroethene	8.947	130	41284	21.245	ug/l	95
45) 1,2-Dichloropropane	9.222	63	40778	21.017	ug/l	96
46) Dibromomethane	9.307	93	26636	21.461	ug/l	95
47) Bromodichloromethane	9.502	83	57759	20.879	ug/l	96
48) Methyl methacrylate	9.301	41	36872	21.610	ug/l	89
49) 1,4-Dioxane	9.325	88	13328	543.570	ug/l #	51
51) 4-Methyl-2-Pentanone	10.075	43	289778	120.269	ug/l	94
52) Toluene	10.252	92	93349	20.811	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	62491	21.065	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	65423	20.487	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	39671	21.811	ug/l	98
56) Ethyl methacrylate	10.514	69	58623	21.871	ug/l #	87
57) 1,3-Dichloropropane	10.795	76	65373	21.433	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	85683	100.637	ug/l	96
59) 2-Hexanone	10.837	43	230056	124.453	ug/l	92
60) Dibromochloromethane	10.990	129	45673	21.512	ug/l	100
61) 1,2-Dibromoethane	11.093	107	38505	21.640	ug/l	100
64) Tetrachloroethene	10.727	164	44142	21.964	ug/l	97
65) Chlorobenzene	11.520	112	106275	20.785	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	42332	21.314	ug/l	99
67) Ethyl Benzene	11.599	91	185219	20.725	ug/l	99
68) m/p-Xylenes	11.709	106	142830	42.048	ug/l	95
69) o-Xylene	12.032	106	69427	20.844	ug/l	99
70) Styrene	12.050	104	121293	21.274	ug/l	97
71) Bromoform	12.215	173	32489	22.574	ug/l #	100
73) Isopropylbenzene	12.337	105	187876	20.615	ug/l	100
74) N-amyl acetate	12.148	43	75818	22.135	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	56252	22.178	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	43668m	22.531	ug/l	
77) Bromobenzene	12.617	156	46181	20.644	ug/l	93
78) n-propylbenzene	12.678	91	228568	20.645	ug/l	99
79) 2-Chlorotoluene	12.764	91	129571	20.531	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	158168	20.731	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	18911	21.973	ug/l	94
82) 4-Chlorotoluene	12.861	91	134456	20.408	ug/l	100
83) tert-Butylbenzene	13.081	119	138694	20.756	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	158980	20.826	ug/l	99
85) sec-Butylbenzene	13.258	105	208977	20.897	ug/l	100
86) p-Isopropyltoluene	13.373	119	172994	20.710	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	91763	20.677	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	91804	20.683	ug/l	98
89) n-Butylbenzene	13.703	91	163920	20.723	ug/l	98
90) Hexachloroethane	13.965	117	33751	20.935	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	86519	21.118	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12171	24.161	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	53892	20.895	ug/l	98
94) Hexachlorobutadiene	15.117	225	27694	20.968	ug/l	98
95) Naphthalene	15.239	128	150348	22.356	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	49623	20.846	ug/l	97

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

