

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015614.D
 Acq On : 18 Sep 2023 14:57
 Operator : SY/MD
 Sample : VY0918SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0918SBS02

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 18 17:32:35 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	182960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	308863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	280367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	93506	47.675	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.360%		
35) Dibromofluoromethane	7.715	113	89060	50.062	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.120%		
50) Toluene-d8	10.178	98	288406	44.767	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.540%		
62) 4-Bromofluorobenzene	12.483	95	115201	48.168	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23668	14.882	ug/l	96
3) Chloromethane	2.113	50	31649	14.984	ug/l	100
4) Vinyl Chloride	2.247	62	36291	14.762	ug/l	98
5) Bromomethane	2.637	94	28431	16.253	ug/l	95
6) Chloroethane	2.783	64	27432	16.976	ug/l	99
7) Trichlorofluoromethane	3.119	101	59938	17.236	ug/l	97
8) Diethyl Ether	3.527	74	25566	21.512	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	36686	19.034	ug/l	94
10) Methyl Iodide	4.082	142	38348	16.942	ug/l	98
11) Tert butyl alcohol	4.978	59	42336	83.342	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	32682	17.970	ug/l	94
13) Acrolein	3.728	56	25107	55.577	ug/l	98
14) Allyl chloride	4.478	41	60531	20.903	ug/l	96
15) Acrylonitrile	5.167	53	88085	117.787	ug/l	98
16) Acetone	3.954	43	112707	137.676	ug/l	94
17) Carbon Disulfide	4.192	76	62478	11.491	ug/l	97
18) Methyl Acetate	4.478	43	65648	22.140	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	137432	23.249	ug/l	98
20) Methylene Chloride	4.710	84	59119	18.135	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	39483	18.852	ug/l	95
22) Diisopropyl ether	6.118	45	147887	23.351	ug/l	95
23) Vinyl Acetate	6.057	43	455070	113.806	ug/l	95
24) 1,1-Dichloroethane	6.015	63	81106	22.154	ug/l	96
25) 2-Butanone	6.990	43	149023	128.346	ug/l	96
26) 2,2-Dichloropropane	6.978	77	71354	22.947	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	51459	21.659	ug/l	95
28) Bromochloromethane	7.331	49	23012	20.497	ug/l	97
29) Tetrahydrofuran	7.350	42	80940	111.007	ug/l	92
30) Chloroform	7.508	83	88000	22.865	ug/l	94
31) Cyclohexane	7.782	56	55404	15.903	ug/l #	86
32) 1,1,1-Trichloroethane	7.703	97	74587	21.697	ug/l	99
36) 1,1-Dichloropropene	7.917	75	56939	18.228	ug/l	99
37) Ethyl Acetate	7.075	43	53228	22.094	ug/l	96
38) Carbon Tetrachloride	7.898	117	61817	19.161	ug/l	98
39) Methylcyclohexane	9.185	83	60854	15.474	ug/l	96
40) Benzene	8.160	78	178180	20.445	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	24569m	21.747	ug/l	
42) 1,2-Dichloroethane	8.240	62	61395	21.126	ug/l	94
43) Isopropyl Acetate	8.270	43	92460	22.194	ug/l	98
44) Trichloroethene	8.941	130	51276	20.795	ug/l	92
45) 1,2-Dichloropropane	9.215	63	48807	22.215	ug/l	99
46) Dibromomethane	9.307	93	31094	21.307	ug/l	95
47) Bromodichloromethane	9.496	83	70102	22.462	ug/l	94
48) Methyl methacrylate	9.294	41	40173	21.018	ug/l	92
49) 1,4-Dioxane	9.300	88	10961	404.360	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	282583	116.705	ug/l	94
52) Toluene	10.245	92	115600	20.695	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	74893	22.580	ug/l	98
54) cis-1,3-Dichloropropene	9.928	75	80653	22.354	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	44440	22.600	ug/l	98
56) Ethyl methacrylate	10.514	69	65704	22.548	ug/l	89
57) 1,3-Dichloropropane	10.794	76	77019	22.754	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	104348	100.326	ug/l	94
59) 2-Hexanone	10.831	43	222040	122.211	ug/l	91
60) Dibromochloromethane	10.983	129	53213	23.121	ug/l	100
61) 1,2-Dibromoethane	11.087	107	43583	21.874	ug/l	100
64) Tetrachloroethene	10.721	164	53587	21.058	ug/l	97
65) Chlorobenzene	11.514	112	132666	21.959	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	51176	23.143	ug/l	99
67) Ethyl Benzene	11.593	91	231544	21.344	ug/l	97
68) m/p-Xylenes	11.703	106	177061	42.107	ug/l	96
69) o-Xylene	12.032	106	86554	21.538	ug/l	98
70) Styrene	12.044	104	150269	22.238	ug/l	97
71) Bromoform	12.209	173	36092	23.398	ug/l #	99
73) Isopropylbenzene	12.330	105	230166	21.639	ug/l	100
74) N-amyl acetate	12.148	43	81040	22.678	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.580	83	58368	22.987	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	48769m	25.970	ug/l	
77) Bromobenzene	12.611	156	56234	22.322	ug/l	97
78) n-propylbenzene	12.672	91	278383	21.629	ug/l	100
79) 2-Chlorotoluene	12.757	91	158841	22.003	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	194997	21.917	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	19896	23.371	ug/l	98
82) 4-Chlorotoluene	12.855	91	164342	21.904	ug/l	100
83) tert-Butylbenzene	13.074	119	168854	21.669	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	196763	22.274	ug/l	99
85) sec-Butylbenzene	13.257	105	253412	21.803	ug/l	100
86) p-Isopropyltoluene	13.367	119	212361	21.800	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	112448	22.609	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	112529	22.383	ug/l	99
89) n-Butylbenzene	13.696	91	200260	21.842	ug/l	97
90) Hexachloroethane	13.958	117	39811	22.851	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	102649	22.616	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	11372	22.640	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	64761	22.720	ug/l	98
94) Hexachlorobutadiene	15.110	225	34100	21.939	ug/l	99
95) Naphthalene	15.238	128	158352	22.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	59110	22.735	ug/l	97

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

