

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092123\
 Data File : VY015668.D
 Acq On : 21 Sep 2023 11:15
 Operator : SY/MD
 Sample : VY0921SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0921SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2023
 Supervised By : Mahesh Dadoda 09/22/2023

Quant Time: Sep 22 01:17:56 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	7.789	168	141291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	218113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	73070	47.003	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.000%		
35) Dibromofluoromethane	7.716	113	70609	48.775	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.560%		
50) Toluene-d8	10.179	98	227575	46.364	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.720%		
62) 4-Bromofluorobenzene	12.483	95	88916	46.161	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18779	20.163	ug/l	99
3) Chloromethane	2.113	50	23375	19.894	ug/l	97
4) Vinyl Chloride	2.253	62	27162	20.219	ug/l	96
5) Bromomethane	2.644	94	21747	18.816	ug/l	98
6) Chloroethane	2.790	64	20399	20.486	ug/l	90
7) Trichlorofluoromethane	3.113	101	47510	21.088	ug/l	95
8) Diethyl Ether	3.534	74	18435	19.188	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	29925	21.214	ug/l	94
10) Methyl Iodide	4.082	142	24035	16.427	ug/l	98
11) Tert butyl alcohol	4.985	59	38197	87.826	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	24754	19.914	ug/l	93
13) Acrolein	3.735	56	18096	76.007	ug/l	99
14) Allyl chloride	4.479	41	43959	19.342	ug/l	95
15) Acrylonitrile	5.161	53	65711	93.233	ug/l	99
16) Acetone	3.954	43	78820	94.741	ug/l	94
17) Carbon Disulfide	4.192	76	44560	18.453	ug/l	98
18) Methyl Acetate	4.485	43	50067	17.936	ug/l	95
19) Methyl tert-butyl Ether	5.229	73	99307	19.616	ug/l	97
20) Methylene Chloride	4.716	84	45019	21.998	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	29003	20.413	ug/l	99
22) Diisopropyl ether	6.119	45	111245	20.339	ug/l	95
23) Vinyl Acetate	6.064	43	328099	97.187	ug/l	96
24) 1,1-Dichloroethane	6.015	63	60986	20.457	ug/l	95
25) 2-Butanone	6.990	43	110746	94.177	ug/l	99
26) 2,2-Dichloropropane	6.984	77	52667	19.329	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	38210	20.258	ug/l	96
28) Bromochloromethane	7.338	49	15957	19.729	ug/l	99
29) Tetrahydrofuran	7.350	42	60466	90.974	ug/l	95
30) Chloroform	7.509	83	66725	20.900	ug/l	97
31) Cyclohexane	7.783	56	44217	20.532	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	54957	20.852	ug/l	98
36) 1,1-Dichloropropene	7.917	75	42595	19.900	ug/l	99
37) Ethyl Acetate	7.076	43	38471	18.019	ug/l	95
38) Carbon Tetrachloride	7.899	117	47712	20.536	ug/l	99
39) Methylcyclohexane	9.185	83	47794	20.188	ug/l	95
40) Benzene	8.161	78	130687	20.021	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	18242	15.869	ug/l #	70
42) 1,2-Dichloroethane	8.234	62	44606	19.953	ug/l	93
43) Isopropyl Acetate	8.271	43	68627	18.817	ug/l	99
44) Trichloroethene	8.941	130	37129	20.366	ug/l	98
45) 1,2-Dichloropropane	9.216	63	37061	20.360	ug/l	100
46) Dibromomethane	9.307	93	23183	19.910	ug/l	94
47) Bromodichloromethane	9.496	83	52074	20.064	ug/l	99
48) Methyl methacrylate	9.295	41	29362	18.342	ug/l	91
49) 1,4-Dioxane	9.319	88	8467	368.075	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	212935	94.200	ug/l	95
52) Toluene	10.246	92	84853	20.164	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	53582	19.252	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	58629	19.570	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	34175	20.028	ug/l	97
56) Ethyl methacrylate	10.508	69	47511	18.894	ug/l	89
57) 1,3-Dichloropropane	10.789	76	57539	20.108	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	81132	101.571	ug/l	96
59) 2-Hexanone	10.831	43	163196	94.102	ug/l	92
60) Dibromochloromethane	10.984	129	39143	19.651	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32399	19.408	ug/l	98
64) Tetrachloroethene	10.721	164	39135	20.913	ug/l	97
65) Chlorobenzene	11.514	112	97143	20.404	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	38280	20.699	ug/l	98
67) Ethyl Benzene	11.593	91	171029	20.553	ug/l	98
68) m/p-Xylenes	11.703	106	130802	41.355	ug/l	95
69) o-Xylene	12.032	106	62596	20.183	ug/l	99
70) Styrene	12.044	104	108847	20.503	ug/l	97
71) Bromoform	12.209	173	26424	19.717	ug/l #	99
73) Isopropylbenzene	12.331	105	172855	20.814	ug/l	98
74) N-amyl acetate	12.142	43	59150	18.950	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	44969	19.456	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	36085m	20.432	ug/l	
77) Bromobenzene	12.611	156	40795	20.011	ug/l	94
78) n-propylbenzene	12.672	91	210497	20.863	ug/l	99
79) 2-Chlorotoluene	12.758	91	117428	20.418	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	143590	20.653	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	14629	18.653	ug/l	97
82) 4-Chlorotoluene	12.855	91	123912	20.639	ug/l	99
83) tert-Butylbenzene	13.075	119	125452	20.602	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	142834	20.532	ug/l	97
85) sec-Butylbenzene	13.252	105	191181	20.979	ug/l	100
86) p-Isopropyltoluene	13.367	119	158388	20.807	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	81409	20.129	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	83089	20.542	ug/l	99
89) n-Butylbenzene	13.697	91	149124	20.688	ug/l	98
90) Hexachloroethane	13.959	117	30528	20.780	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	76910	20.601	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8611	18.758	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	47115	20.046	ug/l	99
94) Hexachlorobutadiene	15.111	225	25399	21.102	ug/l	98
95) Naphthalene	15.239	128	116671	19.037	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	43016	19.829	ug/l	98

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

