

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031791.D
 Acq On : 29 Sep 2022 23:16
 Operator : JC/MD
 Sample : VX0929WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Sep 30 04:44:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	78480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	119485	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70594	42.382	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.760%		
35) Dibromofluoromethane	5.385	113	64845	45.547	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.100%		
50) Toluene-d8	8.647	98	231247	44.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.600%		
62) 4-Bromofluorobenzene	11.079	95	88427	46.743	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18696	19.575	ug/l	96
3) Chloromethane	1.288	50	16123	17.051	ug/l	97
4) Vinyl Chloride	1.374	62	21908	16.667	ug/l	96
5) Bromomethane	1.611	94	19139	11.782	ug/l	96
6) Chloroethane	1.684	64	19169	11.358	ug/l	93
7) Trichlorofluoromethane	1.886	101	50271	13.574	ug/l	96
8) Diethyl Ether	2.129	74	16898	15.744	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	21440	20.552	ug/l	91
10) Methyl Iodide	2.453	142	16718	16.349	ug/l	97
11) Tert butyl alcohol	3.001	59	20917	77.794	ug/l	98
12) 1,1-Dichloroethene	2.318	96	18962	22.114	ug/l	84
13) Acrolein	2.239	56	8072	59.365	ug/l	95
14) Allyl chloride	2.660	41	23611	17.202	ug/l #	92
15) Acrylonitrile	3.068	53	51864	89.718	ug/l	100
16) Acetone	2.386	43	42736	99.354	ug/l	100
17) Carbon Disulfide	2.514	76	34395	18.715	ug/l	98
18) Methyl Acetate	2.703	43	27711	18.513	ug/l #	89
19) Methyl tert-butyl Ether	3.111	73	71451	19.286	ug/l	97
20) Methylene Chloride	2.788	84	23641	21.479	ug/l	86
21) trans-1,2-Dichloroethene	3.093	96	21752	18.861	ug/l	88
22) Diisopropyl ether	3.757	45	60231	17.051	ug/l #	85
23) Vinyl Acetate	3.721	43	235797	84.403	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	38163	18.739	ug/l	97
25) 2-Butanone	4.562	43	67883	85.380	ug/l	90
26) 2,2-Dichloropropane	4.477	77	25893	15.665	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	28531	20.200	ug/l	80
28) Bromochloromethane	4.903	49	15941	16.733	ug/l #	61
29) Tetrahydrofuran	5.013	42	42976	86.045	ug/l #	83
30) Chloroform	5.092	83	46721	18.649	ug/l	95
31) Cyclohexane	5.476	56	27865	17.594	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	41073	19.794	ug/l	96
36) 1,1-Dichloropropene	5.696	75	29722	18.179	ug/l	93
37) Ethyl Acetate	4.720	43	26988	16.365	ug/l #	94
38) Carbon Tetrachloride	5.678	117	36500	19.809	ug/l	99
39) Methylcyclohexane	7.379	83	33452	17.957	ug/l	89
40) Benzene	6.037	78	92438	18.408	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	14461	17.233	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	34042	17.529	ug/l	95
43) Isopropyl Acetate	6.342	43	43243	16.660	ug/l #	92
44) Trichloroethene	7.129	130	28183	19.870	ug/l	91
45) 1,2-Dichloropropane	7.433	63	21767	17.861	ug/l	100
46) Dibromomethane	7.580	93	18446	18.847	ug/l #	88
47) Bromodichloromethane	7.824	83	33867	19.175	ug/l	98
48) Methyl methacrylate	7.696	41	20210	17.705	ug/l #	83
49) 1,4-Dioxane	7.696	88	12549	428.176	ug/l #	85
51) 4-Methyl-2-Pentanone	8.573	43	142868	86.959	ug/l	93
52) Toluene	8.720	92	64487	19.265	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	30685	16.361	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	34216	18.642	ug/l	88
55) 1,1,2-Trichloroethane	9.153	97	27792	19.284	ug/l	95
56) Ethyl methacrylate	9.116	69	35723	19.374	ug/l	87
57) 1,3-Dichloropropane	9.311	76	42986	18.834	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	83600	92.076	ug/l #	86
59) 2-Hexanone	9.433	43	106664	87.015	ug/l	89
60) Dibromochloromethane	9.524	129	28249	17.811	ug/l	99
61) 1,2-Dibromoethane	9.610	107	29779	20.356	ug/l	97
64) Tetrachloroethene	9.275	164	27816	19.382	ug/l	96
65) Chlorobenzene	10.079	112	75141	20.088	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	27139	20.164	ug/l	95
67) Ethyl Benzene	10.195	91	125008	19.646	ug/l	97
68) m/p-Xylenes	10.305	106	103086	40.320	ug/l	93
69) o-Xylene	10.640	106	50949	20.388	ug/l	94
70) Styrene	10.658	104	82241	20.218	ug/l	97
71) Bromoform	10.799	173	19176	18.064	ug/l #	99
73) Isopropylbenzene	10.963	105	134029	19.921	ug/l	100
74) N-amyl acetate	10.847	43	37399	17.137	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	41196	19.271	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	34066m	18.062	ug/l	
77) Bromobenzene	11.201	156	34102	19.939	ug/l	89
78) n-propylbenzene	11.305	91	147534	19.706	ug/l	97
79) 2-Chlorotoluene	11.366	91	87827	18.997	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	114747	20.120	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	7871	16.383	ug/l	88
82) 4-Chlorotoluene	11.457	91	104051	19.481	ug/l	96
83) tert-Butylbenzene	11.713	119	116899	21.255	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	115014	20.374	ug/l	97
85) sec-Butylbenzene	11.890	105	139872	20.012	ug/l	98
86) p-Isopropyltoluene	12.012	119	121870	20.219	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	65326	19.702	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	68011	19.596	ug/l	99
89) n-Butylbenzene	12.335	91	93794	19.049	ug/l	98
90) Hexachloroethane	12.542	117	17558	18.166	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	67233	20.248	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7932	18.517	ug/l	78
93) 1,2,4-Trichlorobenzene	13.585	180	40235	20.721	ug/l	99
94) Hexachlorobutadiene	13.725	225	15024	19.842	ug/l	96
95) Naphthalene	13.774	128	139548	21.515	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	40631	20.388	ug/l	99

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

