

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032522\
 Data File : VX027706.D
 Acq On : 25 Mar 2022 18:52
 Operator : JC/MD
 Sample : VX0325WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 06:22:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 16:26:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	57986	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	99181	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	86988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	45932	48.296	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.600%
35) Dibromofluoromethane	5.391	113	33974	52.162	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.320%
50) Toluene-d8	8.653	98	132276	52.537	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.080%
62) 4-Bromofluorobenzene	11.079	95	53686	52.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.100%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	16164	24.032	ug/l	100
3) Chloromethane	1.295	50	14582	20.923	ug/l	100
4) Vinyl Chloride	1.374	62	14507	21.671	ug/l	96
5) Bromomethane	1.599	94	8233	30.633	ug/l	99
6) Chloroethane	1.679	64	8431	19.626	ug/l	96
7) Trichlorofluoromethane	1.886	101	20977	21.229	ug/l	96
8) Diethyl Ether	2.136	74	7885	22.110	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.325	101	14339	21.698	ug/l	95
10) Methyl Iodide	2.453	142	14639	22.787	ug/l	90
11) Tert butyl alcohol	2.965	59	18891	106.683	ug/l	99
12) 1,1-Dichloroethene	2.319	96	13191	21.416	ug/l	91
13) Acrolein	2.240	56	11582	93.443	ug/l	97
14) Allyl chloride	2.660	41	24940	21.404	ug/l	# 90
15) Acrylonitrile	3.063	53	46640	107.552	ug/l	100
16) Acetone	2.380	43	46379	115.308	ug/l	# 87
17) Carbon Disulfide	2.508	76	33338	20.175	ug/l	100
18) Methyl Acetate	2.703	43	22816	22.181	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	49419	21.855	ug/l	100
20) Methylene Chloride	2.788	84	14842	20.683	ug/l	86
21) trans-1,2-Dichloroethene	3.087	96	13865	20.238	ug/l	91
22) Diisopropyl ether	3.764	45	52749	22.720	ug/l	# 86
23) Vinyl Acetate	3.721	43	228999	112.799	ug/l	# 93
24) 1,1-Dichloroethane	3.611	63	29063	22.093	ug/l	98
25) 2-Butanone	4.556	43	69881	108.183	ug/l	92
26) 2,2-Dichloropropane	4.483	77	21900	21.770	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	16688	21.869	ug/l	86
28) Bromochloromethane	4.898	49	8538	16.271	ug/l	87
29) Tetrahydrofuran	5.007	42	38500	105.976	ug/l	93
30) Chloroform	5.099	83	27437	20.813	ug/l	98
31) Cyclohexane	5.471	56	23349	20.247	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	22732	19.402	ug/l	95
36) 1,1-Dichloropropene	5.702	75	19733	19.182	ug/l	99
37) Ethyl Acetate	4.721	43	27208	22.722	ug/l	95
38) Carbon Tetrachloride	5.684	117	20273	20.166	ug/l	89
39) Methylcyclohexane	7.385	83	26585	22.465	ug/l	# 84
40) Benzene	6.038	78	59565	20.961	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	12150	19.371	ug/l	91
42) 1,2-Dichloroethane	6.093	62	24254	20.076	ug/l	95
43) Isopropyl Acetate	6.342	43	36093	19.958	ug/l	95
44) Trichloroethene	7.123	130	15344	20.868	ug/l	90
45) 1,2-Dichloropropane	7.434	63	17121	22.956	ug/l	98
46) Dibromomethane	7.580	93	12454	23.335	ug/l #	83
47) Bromodichloromethane	7.824	83	23346	22.336	ug/l	98
48) Methyl methacrylate	7.696	41	22078	25.478	ug/l #	78
49) 1,4-Dioxane	7.659	88	9019	472.741	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	147681	118.957	ug/l	89
52) Toluene	8.720	92	38338	21.580	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	23922	21.617	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	25775	22.369	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	15950	22.099	ug/l	97
56) Ethyl methacrylate	9.116	69	27100	22.972	ug/l #	72
57) 1,3-Dichloropropane	9.311	76	29338	22.533	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	66775	110.557	ug/l	93
59) 2-Hexanone	9.433	43	113009	116.486	ug/l	84
60) Dibromochloromethane	9.525	129	15006	21.492	ug/l	99
61) 1,2-Dibromoethane	9.610	107	16998	22.054	ug/l	99
64) Tetrachloroethene	9.275	164	13419	21.754	ug/l #	83
65) Chlorobenzene	10.080	112	39616	21.616	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	14094	22.376	ug/l	99
67) Ethyl Benzene	10.195	91	73715	21.595	ug/l	97
68) m/p-Xylenes	10.305	106	55824	45.120	ug/l	90
69) o-Xylene	10.647	106	26864	21.608	ug/l	87
70) Styrene	10.659	104	43853	22.188	ug/l #	90
71) Bromoform	10.799	173	9930	21.760	ug/l #	98
73) Isopropylbenzene	10.964	105	71609	22.810	ug/l	96
74) N-amyl acetate	10.842	43	34766	23.074	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.214	83	25701	23.234	ug/l	96
76) 1,2,3-Trichloropropane	11.244	75	25235m	23.713	ug/l	
77) Bromobenzene	11.201	156	15406	22.212	ug/l	75
78) n-propylbenzene	11.305	91	84121	22.585	ug/l	96
79) 2-Chlorotoluene	11.366	91	53112	22.619	ug/l	90
80) 1,3,5-Trimethylbenzene	11.451	105	63105	23.388	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	6869	21.971	ug/l #	77
82) 4-Chlorotoluene	11.457	91	61173	22.646	ug/l	92
83) tert-Butylbenzene	11.713	119	55628	22.442	ug/l	83
84) 1,2,4-Trimethylbenzene	11.756	105	63300	23.113	ug/l	92
85) sec-Butylbenzene	11.890	105	72037	22.185	ug/l	96
86) p-Isopropyltoluene	12.012	119	57705	22.580	ug/l	92
87) 1,3-Dichlorobenzene	11.970	146	28076	21.650	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	29600	22.034	ug/l	92
89) n-Butylbenzene	12.335	91	53109	21.952	ug/l	97
90) Hexachloroethane	12.543	117	8795	21.565	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	28222	22.443	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6179	22.791	ug/l	66
93) 1,2,4-Trichlorobenzene	13.591	180	16801	22.669	ug/l	96
94) Hexachlorobutadiene	13.725	225	7868	21.801	ug/l	97
95) Naphthalene	13.780	128	62814	23.077	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	16761	22.624	ug/l	97

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

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