

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032922\
 Data File : VX027786.D
 Acq On : 29 Mar 2022 20:18
 Operator : JC/MD
 Sample : VX0329WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

Quant Time: Mar 30 04:43:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	70003	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	118585	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57928	64.134	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 128.260%			
35) Dibromofluoromethane	5.391	113	40164	52.472	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.940%			
50) Toluene-d8	8.653	98	146397	54.359	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.720%			
62) 4-Bromofluorobenzene	11.079	95	57584	50.314	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	12529	19.752	ug/l	99
3) Chloromethane	1.294	50	11678	20.834	ug/l	100
4) Vinyl Chloride	1.374	62	12232	21.278	ug/l	97
5) Bromomethane	1.599	94	5719	22.063	ug/l	92
6) Chloroethane	1.672	64	7752	20.004	ug/l	93
7) Trichlorofluoromethane	1.880	101	20383	20.212	ug/l	99
8) Diethyl Ether	2.136	74	7275	20.098	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	14072	21.468	ug/l	96
10) Methyl Iodide	2.453	142	16031	21.060	ug/l	93
11) Tert butyl alcohol	2.971	59	19133	110.277	ug/l	100
12) 1,1-Dichloroethene	2.319	96	13275	22.073	ug/l	93
13) Acrolein	2.239	56	12082	92.978	ug/l	94
14) Allyl chloride	2.660	41	22280	20.178	ug/l	93
15) Acrylonitrile	3.062	53	46098	113.155	ug/l	99
16) Acetone	2.380	43	38463	96.221	ug/l	93
17) Carbon Disulfide	2.508	76	24456	19.878	ug/l	99
18) Methyl Acetate	2.709	43	20150	20.449	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	50804	22.172	ug/l	98
20) Methylene Chloride	2.788	84	15820	22.002	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	14147	21.672	ug/l	98
22) Diisopropyl ether	3.764	45	55075	24.888	ug/l	# 83
23) Vinyl Acetate	3.721	43	239820	125.438	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	28962	23.264	ug/l	95
25) 2-Butanone	4.562	43	73597	126.531	ug/l	95
26) 2,2-Dichloropropane	4.477	77	22975	23.107	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	17742	22.540	ug/l	88
28) Bromochloromethane	4.897	49	9419	17.590	ug/l	84
29) Tetrahydrofuran	5.013	42	47677	127.606	ug/l	# 83
30) Chloroform	5.099	83	32810	23.708	ug/l	99
31) Cyclohexane	5.471	56	23434	23.471	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	28130	23.498	ug/l	95
36) 1,1-Dichloropropene	5.696	75	21585	22.389	ug/l	97
37) Ethyl Acetate	4.715	43	27136	22.705	ug/l	95
38) Carbon Tetrachloride	5.684	117	23625	22.181	ug/l	93
39) Methylcyclohexane	7.385	83	23587	20.791	ug/l	92
40) Benzene	6.044	78	62733	21.472	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15474	24.341	ug/l #	87
42) 1,2-Dichloroethane	6.092	62	28448	24.368	ug/l	92
43) Isopropyl Acetate	6.342	43	43591	22.771	ug/l #	90
44) Trichloroethene	7.129	130	16687	21.017	ug/l	93
45) 1,2-Dichloropropane	7.434	63	16981	21.635	ug/l	99
46) Dibromomethane	7.580	93	12864	21.777	ug/l #	88
47) Bromodichloromethane	7.824	83	24553	20.870	ug/l	100
48) Methyl methacrylate	7.696	41	21874	21.788	ug/l #	78
49) 1,4-Dioxane	7.665	88	8735	440.767	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	128605	96.845	ug/l	92
52) Toluene	8.720	92	41128	22.349	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	23063	19.560	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	24350	19.612	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	17917	21.951	ug/l	98
56) Ethyl methacrylate	9.116	69	28488	22.037	ug/l #	82
57) 1,3-Dichloropropane	9.311	76	28874	21.021	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	61617	95.471	ug/l	98
59) 2-Hexanone	9.433	43	109301	106.896	ug/l	86
60) Dibromochloromethane	9.525	129	17872	21.117	ug/l	97
61) 1,2-Dibromoethane	9.610	107	18511	21.704	ug/l	100
64) Tetrachloroethene	9.275	164	17146	22.567	ug/l	88
65) Chlorobenzene	10.079	112	45650	20.687	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	16173	19.531	ug/l	98
67) Ethyl Benzene	10.195	91	78333	19.562	ug/l	97
68) m/p-Xylenes	10.305	106	62001	42.098	ug/l	99
69) o-Xylene	10.640	106	30951	21.516	ug/l	99
70) Styrene	10.659	104	51176	20.931	ug/l	96
71) Bromoform	10.805	173	12606	20.456	ug/l #	99
73) Isopropylbenzene	10.963	105	82139	19.920	ug/l	99
74) N-amyl acetate	10.842	43	29949	16.124	ug/l	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	26815	19.150	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	24358m	18.749	ug/l	
77) Bromobenzene	11.201	156	19928	21.198	ug/l	98
78) n-propylbenzene	11.305	91	91739	18.622	ug/l	97
79) 2-Chlorotoluene	11.366	91	57483	18.567	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	69509	19.427	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	6754	18.033	ug/l #	82
82) 4-Chlorotoluene	11.457	91	66038	18.588	ug/l	100
83) tert-Butylbenzene	11.719	119	68866	19.904	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	70387	19.729	ug/l	99
85) sec-Butylbenzene	11.890	105	85352	19.990	ug/l	100
86) p-Isopropyltoluene	12.012	119	73118	20.587	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	37995	20.531	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	37640	19.744	ug/l	96
89) n-Butylbenzene	12.335	91	62578	19.595	ug/l	96
90) Hexachloroethane	12.542	117	10338	18.125	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	38031	20.805	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6780	20.114	ug/l	74
93) 1,2,4-Trichlorobenzene	13.591	180	20820	18.625	ug/l	98
94) Hexachlorobutadiene	13.725	225	9727	20.186	ug/l	91
95) Naphthalene	13.780	128	76562	19.615	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	20942	19.123	ug/l	95

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

