

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102820\
 Data File : VX019158.D
 Acq On : 28 Oct 2020 12:15
 Operator : JC/MD
 Sample : VX1028WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 9:45:35 AM

Quant Time: Oct 29 02:14:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	288796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	475573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	209049	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	183445	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	5.46	113	147405	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	8.70	98	568726	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.12	95	210516	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	46396	19.271	ug/l	100
3) Chloromethane	1.31	50	51484	19.141	ug/l	99
4) Vinyl Chloride	1.39	62	59988	19.231	ug/l	98
5) Bromomethane	1.64	94	44591	20.932	ug/l	99
6) Chloroethane	1.72	64	39337	19.751	ug/l	98
7) Trichlorofluoromethane	1.92	101	97098	19.814	ug/l	98
8) Diethyl Ether	2.17	74	37688	20.038	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53405	19.661	ug/l	100
10) Methyl Iodide	2.49	142	58468	22.288	ug/l	100
11) Tert butyl alcohol	3.03	59	68050	92.507	ug/l	100
12) 1,1-Dichloroethene	2.36	96	52980	18.928	ug/l	99
13) Acrolein	2.27	56	27352	86.932	ug/l	97
14) Allyl chloride	2.70	41	82700	19.507	ug/l	99
15) Acrylonitrile	3.11	53	147866	95.657	ug/l	100
16) Acetone	2.43	43	126173	98.201	ug/l	98
17) Carbon Disulfide	2.55	76	144299	18.571	ug/l	99
18) Methyl Acetate	2.75	43	59434	19.023	ug/l	99
19) Methyl tert-butyl Ether	3.16	73	188015	19.386	ug/l	97
20) Methylene Chloride	2.83	84	61167	18.963	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	59643	18.514	ug/l	98
22) Diisopropyl ether	3.82	45	171218	20.257	ug/l	93
23) Vinyl Acetate	3.78	43	756034	100.306	ug/l	99
24) 1,1-Dichloroethane	3.67	63	104618	19.825	ug/l	99
25) 2-Butanone	4.64	43	195462	96.528	ug/l	99
26) 2,2-Dichloropropane	4.55	77	97097	19.572	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	68858	19.128	ug/l	98
28) Bromochloromethane	4.98	49	49655	20.698	ug/l	96
29) Tetrahydrofuran	5.09	42	124505	97.567	ug/l	99
30) Chloroform	5.17	83	110601	19.690	ug/l	99
31) Cyclohexane	5.54	56	92428	19.633	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	99786	19.594	ug/l	99
36) 1,1-Dichloropropene	5.76	75	84346	19.206	ug/l	99
37) Ethyl Acetate	4.79	43	76742	18.821	ug/l	99
38) Carbon Tetrachloride	5.74	117	85732	19.152	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	101755	19.378	ug/l	98
40) Benzene	6.11	78	243244	19.535	ug/l	98
41) Methacrylonitrile	4.99	41	42768	19.477	ug/l	98
42) 1,2-Dichloroethane	6.15	62	90385	19.696	ug/l	100
43) Isopropyl Acetate	6.40	43	131702	19.290	ug/l	100
44) Trichloroethene	7.18	130	68319	19.158	ug/l	94
45) 1,2-Dichloropropane	7.48	63	60104	19.708	ug/l	97
46) Dibromomethane	7.63	93	42811	18.983	ug/l	100
47) Bromodichloromethane	7.87	83	86499	19.459	ug/l	98
48) Methyl methacrylate	7.74	41	62988	19.168	ug/l	99
49) 1,4-Dioxane	7.74	88	28209	386.007	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	390106	99.414	ug/l	100
52) Toluene	8.76	92	157548	19.646	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	94396	18.592	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	102005	19.106	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	61409	19.380	ug/l	97
56) Ethyl methacrylate	9.16	69	92535	19.334	ug/l	97
57) 1,3-Dichloropropane	9.35	76	104883	19.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	257128	96.063	ug/l	98
59) 2-Hexanone	9.47	43	297169	99.487	ug/l	99
60) Dibromochloromethane	9.56	129	66438	19.320	ug/l	99
61) 1,2-Dibromoethane	9.65	107	64736	19.105	ug/l	100
64) Tetrachloroethene	9.32	164	63771	19.435	ug/l	98
65) Chlorobenzene	10.12	112	164303	18.666	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	61260	19.332	ug/l	99
67) Ethyl Benzene	10.23	91	301242	19.206	ug/l	97
68) m/p-Xylenes	10.34	106	226522	38.480	ug/l	99
69) o-Xylene	10.68	106	108838	19.492	ug/l	97
70) Styrene	10.70	104	179812	18.874	ug/l	100
71) Bromoform	10.84	173	44897	17.870	ug/l #	99
73) Isopropylbenzene	11.00	105	294453	19.899	ug/l	99
74) N-amyl acetate	10.88	43	106504	19.685	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	90846	19.644	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	86548m	20.051	ug/l	
77) Bromobenzene	11.24	156	69889	19.030	ug/l	96
78) n-propylbenzene	11.34	91	334189	19.784	ug/l	100
79) 2-Chlorotoluene	11.40	91	196004	19.709	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	247267	19.780	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	29256	17.846	ug/l	98
82) 4-Chlorotoluene	11.49	91	232901	19.178	ug/l	98
83) tert-Butylbenzene	11.76	119	239140	19.979	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	248214	19.668	ug/l	99
85) sec-Butylbenzene	11.93	105	287224	20.007	ug/l	99
86) p-Isopropyltoluene	12.05	119	263278	19.869	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	127926	18.704	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	129439	18.181	ug/l	97
89) n-Butylbenzene	12.37	91	237541	19.072	ug/l	99
90) Hexachloroethane	12.58	117	42954	19.072	ug/l	96
91) 1,2-Dichlorobenzene	12.37	146	122694	18.683	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	21364	18.871	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	84295	17.088	ug/l	97
94) Hexachlorobutadiene	13.76	225	37859	17.435	ug/l	98
95) Naphthalene	13.82	128	272320	17.528	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	82498	17.239	ug/l	99

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

