

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102919\
 Data File : VX013261.D
 Acq On : 29 Oct 2019 11:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:49:05 AM

Quant Time: Oct 30 01:46:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	72173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	101566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	105003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	74953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	71550	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	5.48	113	55235	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	8.71	98	194546	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
62) 4-Bromofluorobenzene	11.13	95	81842	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	65430	44.929	ug/l	98
3) Chloromethane	1.32	50	50322	42.117	ug/l	98
4) Vinyl Chloride	1.40	62	54364	41.480	ug/l	98
5) Bromomethane	1.63	94	30431	43.807	ug/l	98
6) Chloroethane	1.71	64	35686	48.582	ug/l	99
7) Trichlorofluoromethane	1.92	101	101595	49.130	ug/l	98
8) Diethyl Ether	2.18	74	34468	48.594	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59987	46.836	ug/l	98
10) Methyl Iodide	2.50	142	72793	45.458	ug/l	98
11) Tert butyl alcohol	3.03	59	79939	244.078	ug/l	100
12) 1,1-Dichloroethene	2.36	96	55257	44.944	ug/l	97
13) Acrolein	2.28	56	37875	213.852	ug/l	98
14) Allyl chloride	2.72	41	87212	45.057	ug/l	97
15) Acrylonitrile	3.13	53	156727	235.549	ug/l	99
16) Acetone	2.43	43	188960	265.702	ug/l	99
17) Carbon Disulfide	2.56	76	137867	41.710	ug/l	100
18) Methyl Acetate	2.76	43	75735	48.794	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	216085	49.909	ug/l	98
20) Methylene Chloride	2.84	84	65799	49.479	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	61845	48.361	ug/l	92
22) Diisopropyl ether	3.84	45	178316	47.116	ug/l	# 88
23) Vinyl Acetate	3.80	43	787058	244.675	ug/l	100
24) 1,1-Dichloroethane	3.69	63	109884	47.204	ug/l	98
25) 2-Butanone	4.65	43	230432	241.605	ug/l	98
26) 2,2-Dichloropropane	4.57	77	103197	47.967	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	71037	47.178	ug/l	99
28) Bromochloromethane	5.00	49	30795	51.303	ug/l	94
29) Tetrahydrofuran	5.11	42	129196	224.732	ug/l	98
30) Chloroform	5.20	83	122627	49.477	ug/l	98
31) Cyclohexane	5.56	56	88487	45.326	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	109278	49.588	ug/l	99
36) 1,1-Dichloropropene	5.78	75	83444	49.080	ug/l	99
37) Ethyl Acetate	4.81	43	81537	48.175	ug/l	99
38) Carbon Tetrachloride	5.77	117	96748	51.535	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	101260	46.571	ug/l	96
40) Benzene	6.13	78	245662	48.155	ug/l	99
41) Methacrylonitrile	5.03	41	45589	50.241	ug/l	100
42) 1,2-Dichloroethane	6.18	62	104994	54.586	ug/l	99
43) Isopropyl Acetate	6.43	43	141009	50.179	ug/l	99
44) Trichloroethene	7.20	130	70402	48.624	ug/l	94
45) 1,2-Dichloropropane	7.50	63	62250	48.719	ug/l	97
46) Dibromomethane	7.65	93	46781	50.817	ug/l	99
47) Bromodichloromethane	7.89	83	97722	54.471	ug/l	98
48) Methyl methacrylate	7.76	41	69589	50.103	ug/l	99
49) 1,4-Dioxane	7.73	88	34681	981.093	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	420902	245.732	ug/l	100
52) Toluene	8.78	92	162199	47.975	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	106992	56.121	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	110882	53.167	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	69088	51.687	ug/l	97
56) Ethyl methacrylate	9.17	69	106895	53.134	ug/l	99
57) 1,3-Dichloropropane	9.37	76	114716	50.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	216183	275.395	ug/l	100
59) 2-Hexanone	9.48	43	335637	254.387	ug/l	98
60) Dibromochloromethane	9.57	129	79207	56.551	ug/l	99
61) 1,2-Dibromoethane	9.67	107	74632	52.594	ug/l	99
64) Tetrachloroethene	9.33	164	70128	54.293	ug/l	98
65) Chlorobenzene	10.13	112	180315	49.056	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	72940	53.717	ug/l	97
67) Ethyl Benzene	10.25	91	326085	49.554	ug/l	99
68) m/p-Xylenes	10.36	106	244528	98.329	ug/l	99
69) o-Xylene	10.69	106	118136	49.521	ug/l	100
70) Styrene	10.71	104	208985	50.876	ug/l	98
71) Bromoform	10.85	173	56161	56.605	ug/l #	99
73) Isopropylbenzene	11.01	105	326764	48.008	ug/l	100
74) N-amyl acetate	10.89	43	123463	49.422	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	101969	49.339	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	88013m	48.720	ug/l	
77) Bromobenzene	11.25	156	78949	48.396	ug/l	98
78) n-propylbenzene	11.35	91	347051	46.940	ug/l	98
79) 2-Chlorotoluene	11.42	91	217150	46.485	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	285125	50.398	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	34843	53.001	ug/l	99
82) 4-Chlorotoluene	11.51	91	258324	48.805	ug/l	95
83) tert-Butylbenzene	11.76	119	267628	47.814	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	280916	49.228	ug/l	99
85) sec-Butylbenzene	11.94	105	319219	50.115	ug/l	97
86) p-Isopropyltoluene	12.06	119	298726	49.920	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	138129	46.870	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	143663	47.879	ug/l	100
89) n-Butylbenzene	12.39	91	245624	50.176	ug/l	96
90) Hexachloroethane	12.59	117	51990	51.879	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	146009	50.383	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	26555	51.670	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	92060	50.448	ug/l	96
94) Hexachlorobutadiene	13.78	225	45656	48.366	ug/l	96
95) Naphthalene	13.83	128	290665	51.898	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	92454	51.271	ug/l	97

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

