

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041620\
 Data File : VX015727.D
 Acq On : 16 Apr 2020 20:54
 Operator : JC/SP
 Sample : L2294-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW032-200413MSD

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:55:14 AM

Quant Time: Apr 17 08:53:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1048877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1551744	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1427872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	791335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	622880	42.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.22%	
35) Dibromofluoromethane	5.47	113	498708	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	8.70	98	1823033	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.12	95	733156	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	357366	38.673	ug/l	99
3) Chloromethane	1.31	50	444799	37.797	ug/l	100
4) Vinyl Chloride	1.39	62	456981	42.291	ug/l	97
5) Bromomethane	1.62	94	241239	48.129	ug/l	98
6) Chloroethane	1.71	64	288694	43.078	ug/l	100
7) Trichlorofluoromethane	1.91	101	638248	44.043	ug/l	100
8) Diethyl Ether	2.17	74	261672	42.811	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	436488	46.204	ug/l	96
10) Methyl Iodide	2.49	142	483153	37.933	ug/l	97
11) Tert butyl alcohol	3.01	59	625028	176.519	ug/l	98
12) 1,1-Dichloroethene	2.36	96	420714	42.486	ug/l	99
13) Acrolein	2.27	56	572683	283.925	ug/l	98
14) Allyl chloride	2.71	41	884875	38.243	ug/l	99
15) Acrylonitrile	3.11	53	1400376	207.382	ug/l	100
16) Acetone	2.42	43	1249096	196.537	ug/l	96
17) Carbon Disulfide	2.55	76	1101852	36.475	ug/l	99
18) Methyl Acetate	2.75	43	681042	41.985	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	1616583	42.092	ug/l	98
20) Methylene Chloride	2.83	84	493542	41.575	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	466240	42.424	ug/l	95
22) Diisopropyl ether	3.83	45	1733123	42.271	ug/l	93
23) Vinyl Acetate	3.79	43	7427851	200.093	ug/l	98
24) 1,1-Dichloroethane	3.67	63	887781	41.125	ug/l	99
25) 2-Butanone	4.64	43	2024638	198.086	ug/l	100
26) 2,2-Dichloropropane	4.56	77	660850	37.296	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	600050	47.193	ug/l	95
28) Bromochloromethane	4.98	49	441034	42.791	ug/l	93
29) Tetrahydrofuran	5.09	42	1309657	199.314	ug/l	98
30) Chloroform	5.18	83	895587	43.121	ug/l	94
31) Cyclohexane	5.55	56	774986	41.384	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	804463	42.800	ug/l	99
36) 1,1-Dichloropropene	5.78	75	655503	45.847	ug/l	98
37) Ethyl Acetate	4.79	43	809421	43.479	ug/l	99
38) Carbon Tetrachloride	5.75	117	706932	45.650	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	772591	46.866	ug/l	96
40) Benzene	6.12	78	1940859	46.342	ug/l	98
41) Methacrylonitrile	5.01	41	449993	43.543	ug/l	97
42) 1,2-Dichloroethane	6.17	62	740254	44.003	ug/l	98
43) Isopropyl Acetate	6.42	43	1336828	42.538	ug/l	99
44) Trichloroethene	7.19	130	592238	51.850	ug/l	91
45) 1,2-Dichloropropane	7.49	63	522194	45.578	ug/l	99
46) Dibromomethane	7.64	93	341305	45.413	ug/l	90
47) Bromodichloromethane	7.88	83	723857	45.201	ug/l	99
48) Methyl methacrylate	7.75	41	670597	42.721	ug/l	96
49) 1,4-Dioxane	7.72	88	256830	877.058	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	4005330	224.891	ug/l	99
52) Toluene	8.77	92	1258399	48.735	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	791431	42.138	ug/l	95
54) cis-1,3-Dichloropropene	8.42	75	849464	44.399	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	510364	48.243	ug/l	97
56) Ethyl methacrylate	9.16	69	842319	45.179	ug/l	96
57) 1,3-Dichloropropane	9.36	76	876828	46.003	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2097812	231.327	ug/l	97
59) 2-Hexanone	9.48	43	3016010	224.302	ug/l	98
60) Dibromochloromethane	9.57	129	615895	48.450	ug/l	100
61) 1,2-Dibromoethane	9.65	107	547528	47.599	ug/l	100
64) Tetrachloroethene	9.32	164	558380	51.818	ug/l	96
65) Chlorobenzene	10.12	112	1393458	48.934	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	548488	48.213	ug/l	99
67) Ethyl Benzene	10.24	91	2432262	48.159	ug/l	98
68) m/p-Xylenes	10.34	106	1854665	98.619	ug/l	97
69) o-Xylene	10.68	106	904064	48.648	ug/l	97
70) Styrene	10.70	104	1596497	48.820	ug/l	98
71) Bromoform	10.84	173	497896	48.076	ug/l #	99
73) Isopropylbenzene	11.00	105	2449397	47.240	ug/l	99
74) N-amyl acetate	10.88	43	1165664	40.421	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	783503	44.038	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	711880m	43.746	ug/l	
77) Bromobenzene	11.24	156	678379	49.050	ug/l	90
78) n-propylbenzene	11.34	91	2744237	46.286	ug/l	99
79) 2-Chlorotoluene	11.40	91	1649654	45.395	ug/l	96
80) 1,3,5-Trimethylbenzene	11.49	105	2068281	46.708	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	253530	37.383	ug/l	99
82) 4-Chlorotoluene	11.49	91	1928567	45.270	ug/l	98
83) tert-Butylbenzene	11.76	119	2052195	47.446	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	2108176	46.719	ug/l	99
85) sec-Butylbenzene	11.93	105	2401905	48.015	ug/l	100
86) p-Isopropyltoluene	12.05	119	2266420	48.803	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1211760	48.942	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1211207	48.027	ug/l	99
89) n-Butylbenzene	12.37	91	1969198	46.923	ug/l	98
90) Hexachloroethane	12.58	117	391817	43.348	ug/l	91
91) 1,2-Dichlorobenzene	12.38	146	1186433	48.965	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	187695	37.378	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	956056	49.883	ug/l	97
94) Hexachlorobutadiene	13.77	225	468026	51.290	ug/l	99
95) Naphthalene	13.82	128	2752770	47.086	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	946038	51.268	ug/l	97

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

