

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022519\
 Data File : VX007689.D
 Acq On : 26 Feb 2019 02:28
 Operator : JC/SP
 Sample : VX0225WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS02

Manual Integrations
 APPROVED

MMDadoda
 2/26/2019 3:05:05 PM

Quant Time: Feb 26 04:50:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	465581	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	441308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206909	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	190689	58.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.18%	
35) Dibromofluoromethane	5.51	113	164534	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	8.71	98	578143	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.13	95	205100	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	43364	17.763	ug/l	98
3) Chloromethane	1.33	50	57212	21.148	ug/l	96
4) Vinyl Chloride	1.41	62	53523	19.284	ug/l	99
5) Bromomethane	1.64	94	47857	26.648	ug/l	100
6) Chloroethane	1.73	64	37886	21.365	ug/l	98
7) Trichlorofluoromethane	1.93	101	76851	18.062	ug/l	97
8) Diethyl Ether	2.19	74	42481	24.327	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44629	17.354	ug/l	94
10) Methyl Iodide	2.51	142	70220	21.928	ug/l	96
11) Tert butyl alcohol	3.07	59	82242	132.043	ug/l	97
12) 1,1-Dichloroethene	2.38	96	45697	19.713	ug/l	98
13) Acrolein	2.30	56	58371	105.465	ug/l	99
14) Allyl chloride	2.73	41	93305	21.768	ug/l	96
15) Acrylonitrile	3.15	53	189092	129.008	ug/l	98
16) Acetone	2.45	43	166726	114.210	ug/l	99
17) Carbon Disulfide	2.57	76	123702	19.181	ug/l	97
18) Methyl Acetate	2.78	43	84942	26.665	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	208418	25.818	ug/l	95
20) Methylene Chloride	2.86	84	66483	24.664	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	53792	21.345	ug/l	96
22) Diisopropyl ether	3.87	45	212500	23.815	ug/l	98
23) Vinyl Acetate	3.82	43	938570	119.892	ug/l	99
24) 1,1-Dichloroethane	3.70	63	111897	23.075	ug/l	99
25) 2-Butanone	4.70	43	269994	121.418	ug/l	99
26) 2,2-Dichloropropane	4.59	77	54799	14.157	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	75144	23.434	ug/l	96
28) Bromochloromethane	5.01	49	48771	20.659	ug/l	99
29) Tetrahydrofuran	5.15	42	176615	120.491	ug/l	98
30) Chloroform	5.21	83	120306	23.160	ug/l	98
31) Cyclohexane	5.57	56	76314	16.730	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	86726	20.188	ug/l	99
36) 1,1-Dichloropropene	5.80	75	72348	17.284	ug/l	99
37) Ethyl Acetate	4.85	43	102297	22.001	ug/l	97
38) Carbon Tetrachloride	5.78	117	70717	16.819	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78684	14.874	ug/l	97
40) Benzene	6.15	78	267360	20.692	ug/l	99
41) Methacrylonitrile	5.06	41	56687	22.831	ug/l	97
42) 1,2-Dichloroethane	6.20	62	98859	22.763	ug/l	98
43) Isopropyl Acetate	6.46	43	157329	21.985	ug/l	99
44) Trichloroethene	7.21	130	69085	19.436	ug/l	94
45) 1,2-Dichloropropane	7.51	63	72127	21.549	ug/l	100
46) Dibromomethane	7.66	93	52210	22.359	ug/l	93
47) Bromodichloromethane	7.90	83	86532	21.384	ug/l	99
48) Methyl methacrylate	7.77	41	82708	22.049	ug/l	99
49) 1,4-Dioxane	7.75	88	36450	449.902	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	544789	113.731	ug/l	99
52) Toluene	8.78	92	166714	20.461	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	89951	19.681	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	101529	20.675	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	77362	22.769	ug/l	94
56) Ethyl methacrylate	9.18	69	105641	21.864	ug/l	99
57) 1,3-Dichloropropane	9.37	76	122774	22.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	292790	109.886	ug/l	100
59) 2-Hexanone	9.49	43	411492	109.419	ug/l	99
60) Dibromochloromethane	9.59	129	73636	22.523	ug/l	99
61) 1,2-Dibromoethane	9.67	107	81160	23.007	ug/l	99
64) Tetrachloroethene	9.34	164	67491	18.839	ug/l	97
65) Chlorobenzene	10.14	112	190555	19.965	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	67643	20.317	ug/l	98
67) Ethyl Benzene	10.25	91	295022	18.659	ug/l	100
68) m/p-Xylenes	10.36	106	228020	37.070	ug/l	100
69) o-Xylene	10.70	106	115623	19.542	ug/l	99
70) Styrene	10.71	104	190870	19.627	ug/l	99
71) Bromoform	10.85	173	49815	19.953	ug/l #	97
73) Isopropylbenzene	11.02	105	278830	18.855	ug/l	100
74) N-amyl acetate	10.90	43	139628	21.743	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	115156	22.515	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	94067m	21.329	ug/l	
77) Bromobenzene	11.26	156	83973	22.639	ug/l	94
78) n-propylbenzene	11.36	91	311581	18.646	ug/l	98
79) 2-Chlorotoluene	11.42	91	199143	19.792	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	235592	19.368	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26840	18.336	ug/l	96
82) 4-Chlorotoluene	11.51	91	230038	19.543	ug/l	99
83) tert-Butylbenzene	11.77	119	221735	18.986	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	249844	20.080	ug/l	99
85) sec-Butylbenzene	11.94	105	266157	18.186	ug/l	99
86) p-Isopropyltoluene	12.06	119	235920	18.407	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	141245	20.529	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	140902	19.997	ug/l	97
89) n-Butylbenzene	12.39	91	194573	17.022	ug/l	98
90) Hexachloroethane	12.60	117	38133	17.658	ug/l	87
91) 1,2-Dichlorobenzene	12.39	146	145631	21.155	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23361	20.962	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	86810	20.659	ug/l	97
94) Hexachlorobutadiene	13.78	225	32343	16.825	ug/l	99
95) Naphthalene	13.83	128	309504	22.734	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	90259	21.392	ug/l	97

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

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