

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009773.D
 Acq On : 22 May 2019 02:17
 Operator : JC/SP
 Sample : VX0521WBSD04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sample ID :
 VX0521WBSD04

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 11:39:50 AM

Quant Time: May 22 08:40:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	157125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	258987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112426	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110004	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
35) Dibromofluoromethane	5.50	113	78970	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	8.71	98	326168	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	115010	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	25472	17.592	ug/l	99
3) Chloromethane	1.32	50	38890	19.673	ug/l	97
4) Vinyl Chloride	1.41	62	38173	19.803	ug/l	100
5) Bromomethane	1.64	94	24708	21.355	ug/l	98
6) Chloroethane	1.72	64	24419	19.731	ug/l	100
7) Trichlorofluoromethane	1.93	101	46296	19.758	ug/l	98
8) Diethyl Ether	2.19	74	21767	19.612	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27211	18.493	ug/l	99
10) Methyl Iodide	2.51	142	23860	17.268	ug/l	97
11) Tert butyl alcohol	3.05	59	50220	101.148	ug/l	99
12) 1,1-Dichloroethene	2.37	96	29183	19.795	ug/l	99
13) Acrolein	2.29	56	35200	78.283	ug/l	99
14) Allyl chloride	2.73	41	68037	18.937	ug/l	97
15) Acrylonitrile	3.14	53	119746	98.639	ug/l	99
16) Acetone	2.44	43	107339	93.196	ug/l	95
17) Carbon Disulfide	2.57	76	82525	19.938	ug/l	99
18) Methyl Acetate	2.78	43	51949	18.966	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	110322	19.270	ug/l	99
20) Methylene Chloride	2.85	84	35242	18.898	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	30442	19.040	ug/l	99
22) Diisopropyl ether	3.85	45	136798	19.799	ug/l	95
23) Vinyl Acetate	3.81	43	602564	101.842	ug/l	99
24) 1,1-Dichloroethane	3.70	63	65901	19.334	ug/l	99
25) 2-Butanone	4.67	43	177054	98.925	ug/l	99
26) 2,2-Dichloropropane	4.59	77	35594	14.029	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	36333	19.038	ug/l	99
28) Bromochloromethane	5.01	49	31454	21.354	ug/l	98
29) Tetrahydrofuran	5.13	42	119611	103.854	ug/l	97
30) Chloroform	5.21	83	59707	19.368	ug/l	99
31) Cyclohexane	5.58	56	63473	20.016	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	49038	19.109	ug/l	98
36) 1,1-Dichloropropene	5.80	75	44894	18.653	ug/l	99
37) Ethyl Acetate	4.83	43	67507	20.131	ug/l	99
38) Carbon Tetrachloride	5.79	117	40498	18.520	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54534	18.450	ug/l	97
40) Benzene	6.14	78	142496	19.130	ug/l	100
41) Methacrylonitrile	5.04	41	37551	18.812	ug/l	98
42) 1,2-Dichloroethane	6.19	62	53258	19.932	ug/l	98
43) Isopropyl Acetate	6.45	43	104631	19.506	ug/l	99
44) Trichloroethene	7.21	130	33221	18.449	ug/l	97
45) 1,2-Dichloropropane	7.51	63	40755	19.323	ug/l	99
46) Dibromomethane	7.66	93	22624	18.472	ug/l	98
47) Bromodichloromethane	7.90	83	45315	18.548	ug/l	96
48) Methyl methacrylate	7.77	41	53179	19.983	ug/l	97
49) 1,4-Dioxane	7.74	88	20792	385.264	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	348231	99.325	ug/l	99
52) Toluene	8.79	92	86133	19.023	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	50089	18.159	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	54867	17.971	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	34277	18.556	ug/l	97
56) Ethyl methacrylate	9.18	69	61881	18.767	ug/l	97
57) 1,3-Dichloropropane	9.37	76	61429	18.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	161410	92.273	ug/l	100
59) 2-Hexanone	9.49	43	271499	98.600	ug/l	98
60) Dibromochloromethane	9.58	129	33048	18.318	ug/l	99
61) 1,2-Dibromoethane	9.67	107	34829	18.679	ug/l	100
64) Tetrachloroethene	9.34	164	31096	19.553	ug/l	98
65) Chlorobenzene	10.13	112	86743	18.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	31785	18.904	ug/l	99
67) Ethyl Benzene	10.25	91	163129	19.112	ug/l	100
68) m/p-Xylenes	10.36	106	119118	38.190	ug/l	98
69) o-Xylene	10.69	106	58031	18.857	ug/l	99
70) Styrene	10.71	104	101579	18.991	ug/l	99
71) Bromoform	10.85	173	24403	17.859	ug/l #	99
73) Isopropylbenzene	11.02	105	155978	19.079	ug/l	100
74) N-amyl acetate	10.90	43	93814	19.682	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	57529	18.876	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	49608m	19.022	ug/l	
77) Bromobenzene	11.26	156	38171	18.811	ug/l	98
78) n-propylbenzene	11.36	91	176839	18.940	ug/l	100
79) 2-Chlorotoluene	11.42	91	106526	18.493	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	131092	19.044	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	16086	15.782	ug/l	88
82) 4-Chlorotoluene	11.51	91	122099	18.763	ug/l	99
83) tert-Butylbenzene	11.77	119	125174	18.692	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	131918	19.092	ug/l	99
85) sec-Butylbenzene	11.94	105	148089	18.653	ug/l	100
86) p-Isopropyltoluene	12.06	119	133687	18.731	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	66851	18.480	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	67786	18.587	ug/l	98
89) n-Butylbenzene	12.38	91	116027	17.986	ug/l	99
90) Hexachloroethane	12.60	117	22453	18.465	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	67736	18.384	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13636	19.945	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	47172	18.722	ug/l	99
94) Hexachlorobutadiene	13.78	225	23501	18.265	ug/l	98
95) Naphthalene	13.83	128	156329	19.071	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	48653	19.050	ug/l	99

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

