

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052419\
 Data File : VX009880.D
 Acq On : 24 May 2019 12:40
 Operator : JC/SP
 Sample : VX0524MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 9:52:04 AM

Quant Time: May 25 00:50:06 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	182091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	294620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130329	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	118035	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	5.50	113	82213	44.39	ug/l	0.00
Spiked Amount			Recovery	=	88.78%	
50) Toluene-d8	8.71	98	340870	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.13	95	123701	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	26416	15.743	ug/l	98
3) Chloromethane	1.32	50	42129	18.390	ug/l	100
4) Vinyl Chloride	1.41	62	39705	17.774	ug/l	98
5) Bromomethane	1.64	94	24864	18.544	ug/l	99
6) Chloroethane	1.72	64	24854	17.329	ug/l	97
7) Trichlorofluoromethane	1.93	101	47471	17.482	ug/l	97
8) Diethyl Ether	2.19	74	21942	17.059	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29067	17.046	ug/l	99
10) Methyl Iodide	2.51	142	31414	18.993	ug/l	99
11) Tert butyl alcohol	3.05	59	54800	95.239	ug/l	100
12) 1,1-Dichloroethene	2.37	96	28655	16.772	ug/l	99
13) Acrolein	2.29	56	40849	78.391	ug/l	98
14) Allyl chloride	2.73	41	72867	17.500	ug/l	98
15) Acrylonitrile	3.14	53	123943	88.098	ug/l	99
16) Acetone	2.45	43	123374	92.432	ug/l	97
17) Carbon Disulfide	2.57	76	77560	16.169	ug/l	99
18) Methyl Acetate	2.78	43	55225	17.397	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	114493	17.257	ug/l	96
20) Methylene Chloride	2.85	84	36210	16.755	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	31857	17.193	ug/l	96
22) Diisopropyl ether	3.85	45	143902	17.971	ug/l	91
23) Vinyl Acetate	3.82	43	640743	93.447	ug/l	99
24) 1,1-Dichloroethane	3.70	63	68150	17.253	ug/l	99
25) 2-Butanone	4.68	43	193825	93.447	ug/l	97
26) 2,2-Dichloropropane	4.58	77	49400	16.801	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	37600	17.001	ug/l	95
28) Bromochloromethane	5.02	49	36995	21.715	ug/l	94
29) Tetrahydrofuran	5.13	42	124992	93.647	ug/l	97
30) Chloroform	5.21	83	61251	17.145	ug/l	97
31) Cyclohexane	5.58	56	65879	17.926	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	50366	16.935	ug/l	98
36) 1,1-Dichloropropene	5.80	75	47086	17.198	ug/l	99
37) Ethyl Acetate	4.84	43	71652	18.783	ug/l	98
38) Carbon Tetrachloride	5.79	117	40624	16.331	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58941	17.529	ug/l	99
40) Benzene	6.14	78	145652	17.189	ug/l	99
41) Methacrylonitrile	5.04	41	39473	17.383	ug/l	98
42) 1,2-Dichloroethane	6.20	62	55140	18.141	ug/l	99
43) Isopropyl Acetate	6.45	43	110686	18.140	ug/l	99
44) Trichloroethene	7.21	130	34025	16.610	ug/l	93
45) 1,2-Dichloropropane	7.51	63	42138	17.562	ug/l	99
46) Dibromomethane	7.66	93	23479	16.851	ug/l	100
47) Bromodichloromethane	7.90	83	45485	16.366	ug/l	98
48) Methyl methacrylate	7.77	41	56182	18.558	ug/l	97
49) 1,4-Dioxane	7.74	88	20432	332.804	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	370883	92.992	ug/l	98
52) Toluene	8.78	92	88981	17.275	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52497	16.730	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	59461	17.120	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	35462	16.876	ug/l	97
56) Ethyl methacrylate	9.18	69	65196	17.381	ug/l	96
57) 1,3-Dichloropropane	9.37	76	64352	17.402	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	167440	84.144	ug/l	99
59) 2-Hexanone	9.49	43	290626	92.781	ug/l	97
60) Dibromochloromethane	9.58	129	32539	15.854	ug/l	99
61) 1,2-Dibromoethane	9.67	107	36232	17.081	ug/l	100
64) Tetrachloroethene	9.34	164	32065	17.644	ug/l	100
65) Chlorobenzene	10.13	112	90489	17.074	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	31270	16.274	ug/l	98
67) Ethyl Benzene	10.25	91	168388	17.264	ug/l	100
68) m/p-Xylenes	10.36	106	124343	34.885	ug/l	98
69) o-Xylene	10.69	106	61047	17.359	ug/l	100
70) Styrene	10.71	104	104846	17.153	ug/l	98
71) Bromoform	10.86	173	23967	15.349	ug/l #	100
73) Isopropylbenzene	11.02	105	163214	17.221	ug/l	100
74) N-amyl acetate	10.90	43	98732	17.869	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	59413	16.816	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	52497m	17.365	ug/l	
77) Bromobenzene	11.26	156	40320	17.140	ug/l	98
78) n-propylbenzene	11.36	91	188188	17.387	ug/l	99
79) 2-Chlorotoluene	11.42	91	112159	16.796	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	136147	17.061	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17930	15.175	ug/l	88
82) 4-Chlorotoluene	11.51	91	129344	17.146	ug/l	98
83) tert-Butylbenzene	11.77	119	129562	16.690	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	137700	17.191	ug/l	99
85) sec-Butylbenzene	11.94	105	156647	17.020	ug/l	100
86) p-Isopropyltoluene	12.06	119	142378	17.208	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70953	16.920	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	70717	16.727	ug/l	98
89) n-Butylbenzene	12.38	91	131454	17.578	ug/l	99
90) Hexachloroethane	12.60	117	22278	15.805	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	71374	16.711	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13410	16.920	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50225	17.196	ug/l	100
94) Hexachlorobutadiene	13.78	225	26222	17.581	ug/l	97
95) Naphthalene	13.83	128	160215	16.860	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	50678	17.117	ug/l	99

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

