

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033307.D
 Acq On : 14 Mar 2019 2:34
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:41:56 PM

Quant Time: Mar 15 02:11:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 15 02:11:49 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	768864	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1832069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2279597m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1616419	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1161076	8.161	ppbv	99
3) Chlorodifluoromethane	3.01	51	916764	9.141	ppbv	100
4) Chloromethane	3.17	50	489386	9.013	ppbv	99
5) Vinyl Chloride	3.29	62	484122	8.907	ppbv	98
6) Bromomethane	3.51	94	309907	9.470	ppbv	99
7) Chloroethane	3.60	64	190376	9.783	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1190147	9.161	ppbv	98
9) Propene	3.04	41	418322	9.242	ppbv	100
10) Heptane	8.25	43	1035595	9.359	ppbv	99
11) Trichlorofluoromethane	4.00	101	1324219	9.264	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	880031	9.132	ppbv	100
13) Ethanol	3.65	45	98453m	7.106	ppbv	
14) Bromoethene	3.79	108	393723	9.829	ppbv	99
15) Acetone	3.90	43	853749	8.076	ppbv	100
16) 1,3-Butadiene	3.36	39	391550	9.045	ppbv	87
17) tert-Butyl alcohol	4.36	59	163586	8.872	ppbv	100
18) 1,1-Dichloroethene	4.35	96	380912	8.949	ppbv	96
19) Isopropyl Alcohol	4.02	45	587588	9.086	ppbv	100
20) Methylene Chloride	4.41	84	334656	7.819	ppbv	97
21) Allyl Chloride	4.48	41	616046	9.652	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	397192	9.250	ppbv	94
23) Vinyl Acetate	5.16	43	1479641	9.640	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1005520	9.056	ppbv	99
25) Ethyl Acetate	5.77	43	1751559	9.095	ppbv	99
26) Hexane	5.78	57	779175	8.659	ppbv	99
27) Carbon Disulfide	4.62	76	996133	10.352	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1227947	9.493	ppbv	99
29) Chloroform	5.85	83	1291053	9.230	ppbv	98
30) Cyclohexane	7.25	84	660129	9.450	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	809853	9.347	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1273195	9.379	ppbv	100
34) 2-Butanone	5.33	43	1136200	8.970	ppbv	99
35) Carbon Tetrachloride	7.14	117	1327141	9.423	ppbv	98
36) Benzene	7.01	78	1652939	9.187	ppbv	98
37) 1,2-Dichloroethane	6.42	62	990722	9.217	ppbv	99
38) Trichloroethene	7.96	130	617806	8.684	ppbv	96
39) 1,2-Dichloropropane	7.74	63	629589	9.112	ppbv	99
40) 1,4-Dioxane	7.95	88	225864	9.046	ppbv	78
41) Tetrahydrofuran	6.15	42	661478	9.413	ppbv	99
42) Bromodichloromethane	7.92	83	1429676	9.489	ppbv	99
43) Methyl Methacrylate	8.14	69	670857	9.365	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2741228	8.911	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	897647	10.685	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1030177	10.178	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	673099	9.101	ppbv	98
48) Dibromochloromethane	10.45	129	1187031	9.756	ppbv	100
49) Bromoform	13.20	173	1186939	11.260	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1692719	9.223	ppbv	100
51) 2-Hexanone	10.27	43	1335079	9.528	ppbv #	100
52) Tetrachloroethene	11.37	164	681238	9.217	ppbv	94
53) Toluene	9.95	91	1945712	9.444	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1075252	9.107	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	935109	9.142	ppbv	96
57) Chlorobenzene	12.30	112	1590183	8.640	ppbv	99
58) Ethyl Benzene	12.87	91	3008971	9.195	ppbv	99
59) m/p-Xylene	13.15	91	5009811m	18.207	ppbv	
60) o-Xylene	13.85	91	2442381	9.202	ppbv	100
61) Styrene	13.69	104	1822938	9.788	ppbv	100
62) Isopropylbenzene	14.83	105	3442889	9.221	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1661440	8.685	ppbv	100
64) n-propylbenzene	15.73	120	874668	9.447	ppbv	97
65) tert-Butylbenzene	16.91	119	3031797	9.607	ppbv	99
66) Benzyl Chloride	17.16	91	1544009	12.297	ppbv	99
67) sec-Butylbenzene	17.46	105	4337330	9.559	ppbv	100
69) p-Isopropyltoluene	17.82	119	3567404	9.840	ppbv	100
70) n-Butylbenzene	18.72	91	3757761	9.914	ppbv	100
71) 2-Chlorotoluene	15.62	91	2659224	9.509	ppbv	100
72) 4-Ethyltoluene	16.00	105	2843673	10.002	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2728899	10.208	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2790278	10.228	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1578554	9.244	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1586745	9.516	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1550036	9.324	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1207852	9.851	ppbv	100
79) Naphthalene	22.42	128	2891931	12.904	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1381452	22.007	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1445706	11.344	ppbv	99

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

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