

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033434.D
 Acq On : 25 Mar 2019 10:28
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:22:23 AM

Quant Time: Mar 26 05:32:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	767952	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1787912	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1950423m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1504118	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	934707	6.921 ppbv	100
3) Chlorodifluoromethane	3.01	51	817070	9.270 ppbv	98
4) Chloromethane	3.17	50	441972	9.260 ppbv	100
5) Vinyl Chloride	3.29	62	437556	8.886 ppbv	100
6) Bromomethane	3.51	94	277676	9.487 ppbv	94
7) Chloroethane	3.60	64	163186	9.484 ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1090506	9.485 ppbv	99
9) Propene	3.03	41	356836	9.069 ppbv	98
10) Heptane	8.25	43	942066	9.653 ppbv	100
11) Trichlorofluoromethane	4.00	101	1270588	9.448 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	851663	9.545 ppbv	98
13) Ethanol	3.65	45	96905m	5.166 ppbv	
14) Bromoethene	3.79	108	359041	9.654 ppbv	100
15) Acetone	3.90	43	785953	6.584 ppbv	100
16) 1,3-Butadiene	3.36	39	399881	10.313 ppbv	91
17) tert-Butyl alcohol	4.35	59	164534	9.794 ppbv	99
18) 1,1-Dichloroethene	4.35	96	378757	9.284 ppbv	99
19) Isopropyl Alcohol	4.02	45	554914	9.772 ppbv	100
20) Methylene Chloride	4.41	84	323046	8.298 ppbv	96
21) Allyl Chloride	4.48	41	578717	9.994 ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	391018	9.890 ppbv	99
23) Vinyl Acetate	5.15	43	1326885	9.606 ppbv	99
24) 1,1-Dichloroethane	5.09	63	935569	9.378 ppbv	99
25) Ethyl Acetate	5.77	43	1607304	9.262 ppbv	100
26) Hexane	5.78	57	706345	9.105 ppbv	99
27) Carbon Disulfide	4.62	76	949547	10.632 ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1106666	9.604 ppbv	100
29) Chloroform	5.85	83	1210057	9.526 ppbv	99
30) Cyclohexane	7.25	84	601442	9.670 ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	754136	9.722 ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1222008	9.798 ppbv	99
34) 2-Butanone	5.33	43	1052493	8.964 ppbv	99
35) Carbon Tetrachloride	7.13	117	1290570	10.239 ppbv	98
36) Benzene	7.00	78	1474672	9.216 ppbv	98
37) 1,2-Dichloroethane	6.41	62	952730	9.417 ppbv	100
38) Trichloroethene	7.96	130	593102	9.795 ppbv	96
39) 1,2-Dichloropropane	7.74	63	569880	9.510 ppbv	98
40) 1,4-Dioxane	7.95	88	206929	9.807 ppbv	88
41) Tetrahydrofuran	6.15	42	602018	9.608 ppbv	98
42) Bromodichloromethane	7.92	83	1361471	10.037 ppbv	98
43) Methyl Methacrylate	8.14	69	620815	9.965 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	2515472	9.492	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	872485	11.343	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	959743	10.596	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	639354	9.657	ppbv	96
48) Dibromochloromethane	10.45	129	1185499	10.677	ppbv	100
49) Bromoform	13.21	173	1442626	13.697	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1574375	9.493	ppbv	99
51) 2-Hexanone	10.27	43	1248866	9.760	ppbv #	100
52) Tetrachloroethene	11.37	164	595002	8.926	ppbv	97
53) Toluene	9.95	91	1825084	10.038	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1046481	9.350	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.28	131	838100	9.606	ppbv	97
57) Chlorobenzene	12.30	112	1393726	9.022	ppbv	98
58) Ethyl Benzene	12.87	91	2589305	9.384	ppbv	99
59) m/p-Xylene	13.15	91	4889670m	20.621	ppbv	
60) o-Xylene	13.85	91	2176695	9.410	ppbv	99
61) Styrene	13.69	104	1619848	10.001	ppbv	99
62) Isopropylbenzene	14.83	105	3096361	9.628	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1510203	9.031	ppbv	99
64) n-propylbenzene	15.73	120	803759	9.877	ppbv	99
65) tert-Butylbenzene	16.91	119	2722994	9.405	ppbv	99
66) Benzyl Chloride	17.16	91	1562878	13.062	ppbv	100
67) sec-Butylbenzene	17.46	105	3879849	9.457	ppbv	99
69) p-Isopropyltoluene	17.82	119	3257720	9.719	ppbv	100
70) n-Butylbenzene	18.72	91	3432038	9.602	ppbv	100
71) 2-Chlorotoluene	15.62	91	2423641	9.681	ppbv	100
72) 4-Ethyltoluene	16.00	105	2542648	9.679	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2404734	9.397	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2508100	9.254	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1477382	9.248	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1499445	9.695	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1469874	9.715	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	808633	8.915	ppbv	99
79) Naphthalene	22.42	128	2526679	9.674	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1114199	8.996	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1284456	9.644	ppbv	99

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

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