

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:40 AM

Quant Time: Sep 20 15:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	335814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	427372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	216312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	15396	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	
35) Dibromofluoromethane	7.88	113	15106	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.36%	
50) Toluene-d8	10.32	98	62695	5.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.94%	
62) 4-Bromofluorobenzene	12.62	95	21761	5.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.58%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	10431	6.862	ug/l	100
3) Chloromethane	2.21	50	15149	7.820	ug/l	95
4) Vinyl Chloride	2.35	62	18559	7.330	ug/l	94
5) Bromomethane	2.77	94	11704	7.451	ug/l	97
6) Chloroethane	2.92	64	10645	6.891	ug/l	100
7) Trichlorofluoromethane	3.26	101	9351	5.505	ug/l	93
8) Diethyl Ether	3.68	74	8869	6.533	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16543	6.302	ug/l	98
10) Methyl Iodide	4.27	142	25543	7.442	ug/l	98
11) Tert butyl alcohol	5.20	59	7946m	33.787	ug/l	
12) 1,1-Dichloroethene	4.04	96	17111	6.993	ug/l	89
13) Acrolein	3.89	56	2977	13.975	ug/l	97
14) Allyl chloride	4.67	41	26720	5.955	ug/l	98
15) Acrylonitrile	5.38	53	17691	26.469	ug/l	97
16) Acetone	4.13	43	17531	24.636	ug/l	95
17) Carbon Disulfide	4.38	76	47600	8.835	ug/l	100
18) Methyl Acetate	4.68	43	9635	5.483	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	26068	5.680	ug/l	94
20) Methylene Chloride	4.91	84	23476	7.787	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	18731	7.125	ug/l	94
22) Diisopropyl ether	6.31	45	50372	5.488	ug/l	91
23) Vinyl Acetate	6.25	43	140041	25.661	ug/l	99
24) 1,1-Dichloroethane	6.21	63	30643	5.732	ug/l	99
25) 2-Butanone	7.18	43	25381	26.282	ug/l	99
26) 2,2-Dichloropropane	7.16	77	24802	6.646	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	19335	6.284	ug/l	90
28) Bromochloromethane	7.52	49	11261	5.028	ug/l	98
29) Tetrahydrofuran	7.53	42	14195	25.454	ug/l	99
30) Chloroform	7.68	83	31886	5.939	ug/l	96
31) Cyclohexane	7.95	56	35794	7.540	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	25050	5.657	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25922	6.387	ug/l	97
37) Ethyl Acetate	7.26	43	10323	4.999	ug/l #	89
38) Carbon Tetrachloride	8.06	117	22349	5.494	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32192	6.958	ug/l	94
40) Benzene	8.32	78	71751	6.332	ug/l	95
41) Methacrylonitrile	7.48	41	5981	4.445	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19427	5.319	ug/l	98
43) Isopropyl Acetate	8.43	43	19140	4.843	ug/l	95
44) Trichloroethene	9.09	130	20532	6.571	ug/l	89
45) 1,2-Dichloropropane	9.37	63	17783	6.017	ug/l	100
46) Dibromomethane	9.46	93	8468	5.966	ug/l	98
47) Bromodichloromethane	9.64	83	21209	5.419	ug/l	95
48) Methyl methacrylate	9.43	41	8196	4.409	ug/l	91
49) 1,4-Dioxane	9.47	88	2359	103.749	ug/l #	53
51) 4-Methyl-2-Pentanone	10.21	43	48007	23.627	ug/l	99
52) Toluene	10.38	92	46016	6.385	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	19852	5.017	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	25216	5.519	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	12466	5.785	ug/l	96
56) Ethyl methacrylate	10.65	69	13711	4.755	ug/l	90
57) 1,3-Dichloropropane	10.93	76	22084	5.792	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	35033	22.966	ug/l	98
59) 2-Hexanone	10.97	43	30816	21.896	ug/l	100
60) Dibromochloromethane	11.13	129	13377	5.197	ug/l	100
61) 1,2-Dibromoethane	11.23	107	11789	5.978	ug/l	99
64) Tetrachloroethene	10.86	164	17698	6.664	ug/l	94
65) Chlorobenzene	11.66	112	49060	6.283	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	15710	5.359	ug/l	97
67) Ethyl Benzene	11.73	91	84656	5.893	ug/l	100
68) m/p-Xylenes	11.84	106	64190	12.126	ug/l	97
69) o-Xylene	12.16	106	29947	6.051	ug/l	99
70) Styrene	12.18	104	50080	5.710	ug/l	100
71) Bromoform	12.35	173	7737	5.051	ug/l #	95
73) Isopropylbenzene	12.46	105	81858	5.620	ug/l	99
74) N-amyl acetate	12.27	43	16697	4.572	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	14141	5.616	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10765m	5.705	ug/l	
77) Bromobenzene	12.75	156	19907	5.866	ug/l	99
78) n-propylbenzene	12.80	91	96757	5.651	ug/l	98
79) 2-Chlorotoluene	12.89	91	55397	5.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	69583	5.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3658	4.386	ug/l	93
82) 4-Chlorotoluene	12.99	91	58821	5.713	ug/l	97
83) tert-Butylbenzene	13.21	119	60769	5.532	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	69038	5.665	ug/l	99
85) sec-Butylbenzene	13.38	105	85205	5.675	ug/l	99
86) p-Isopropyltoluene	13.50	119	78484	5.685	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39086	5.866	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	38190	5.846	ug/l	94
89) n-Butylbenzene	13.82	91	71009	5.483	ug/l	98
90) Hexachloroethane	14.10	117	12546	5.111	ug/l	95
91) 1,2-Dichlorobenzene	13.86	146	33176	5.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1886	4.164	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	21061	5.043	ug/l	100
94) Hexachlorobutadiene	15.23	225	16777	5.703	ug/l	98
95) Naphthalene	15.36	128	30972	4.473	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	19002	5.164	ug/l	94

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

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