

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012859.D
 Acq On : 10 Sep 2019 08:23
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 8:15:47 AM

Quant Time: Sep 10 08:58:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	293823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	106443	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.88	113	85232	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.32	98	336329	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.62	95	122573	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	31398	31.853	ug/l	95
3) Chloromethane	2.21	50	47639	39.767	ug/l	96
4) Vinyl Chloride	2.35	62	56993	38.802	ug/l	97
5) Bromomethane	2.73	94	37706	47.274	ug/l	99
6) Chloroethane	2.90	64	39327	44.868	ug/l	97
7) Trichlorofluoromethane	3.24	101	35289	34.815	ug/l	100
8) Diethyl Ether	3.67	74	45862	53.835	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	65608	41.246	ug/l	96
10) Methyl Iodide	4.26	142	96493	48.188	ug/l	96
11) Tert butyl alcohol	5.17	59	40451	260.239	ug/l	98
12) 1,1-Dichloroethene	4.03	96	61372	40.872	ug/l	90
13) Acrolein	3.89	56	28701	174.000	ug/l	99
14) Allyl chloride	4.66	41	132519	42.663	ug/l	97
15) Acrylonitrile	5.35	53	129798	260.860	ug/l	99
16) Acetone	4.11	43	107911	194.838	ug/l	95
17) Carbon Disulfide	4.38	76	112644	35.342	ug/l	100
18) Methyl Acetate	4.66	43	76998	59.255	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	163015	54.742	ug/l	98
20) Methylene Chloride	4.91	84	85786	49.509	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	71752	46.832	ug/l	89
22) Diisopropyl ether	6.31	45	315249	51.171	ug/l	99
23) Vinyl Acetate	6.24	43	917472	234.990	ug/l	99
24) 1,1-Dichloroethane	6.21	63	160569	48.406	ug/l	98
25) 2-Butanone	7.16	43	177724	220.458	ug/l	97
26) 2,2-Dichloropropane	7.16	77	78535	37.485	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	92435	52.032	ug/l	93
28) Bromochloromethane	7.51	49	78992	51.861	ug/l	90
29) Tetrahydrofuran	7.52	42	114724	256.506	ug/l	97
30) Chloroform	7.67	83	163935	49.866	ug/l	100
31) Cyclohexane	7.95	56	109773	36.759	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	121097	45.443	ug/l	98
36) 1,1-Dichloropropene	8.08	75	107109	41.027	ug/l	99
37) Ethyl Acetate	7.24	43	75957	45.640	ug/l	99
38) Carbon Tetrachloride	8.06	117	103691	40.292	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	112762	38.457	ug/l	98
40) Benzene	8.32	78	333843	46.089	ug/l	98
41) Methacrylonitrile	7.48	41	45388	40.878	ug/l	88
42) 1,2-Dichloroethane	8.40	62	120704	47.349	ug/l	98
43) Isopropyl Acetate	8.42	43	145955	46.291	ug/l	97
44) Trichloroethene	9.09	130	84978	45.513	ug/l	91
45) 1,2-Dichloropropane	9.37	63	95017	47.296	ug/l	97
46) Dibromomethane	9.46	93	47034	49.440	ug/l	95
47) Bromodichloromethane	9.64	83	123963	47.363	ug/l	99
48) Methyl methacrylate	9.43	41	74559	49.482	ug/l	95
49) 1,4-Dioxane	9.45	88	19548	1040.257	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	391210	236.455	ug/l	98
52) Toluene	10.38	92	210924	46.655	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	126151	46.873	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	141751	46.429	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	71857	50.452	ug/l	95
56) Ethyl methacrylate	10.65	69	105383	50.548	ug/l	96
57) 1,3-Dichloropropane	10.93	76	129066	48.984	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	282035	254.822	ug/l	96
59) 2-Hexanone	10.96	43	265387	219.558	ug/l	97
60) Dibromochloromethane	11.13	129	83671	49.952	ug/l	99
61) 1,2-Dibromoethane	11.23	107	67479	51.678	ug/l	100
64) Tetrachloroethene	10.86	164	84718	52.677	ug/l	96
65) Chlorobenzene	11.66	112	232835	46.478	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	91123	48.845	ug/l	99
67) Ethyl Benzene	11.73	91	422420	44.943	ug/l	99
68) m/p-Xylenes	11.83	106	310992	91.667	ug/l	98
69) o-Xylene	12.16	106	153603	47.990	ug/l	95
70) Styrene	12.18	104	273235	48.310	ug/l	98
71) Bromoform	12.35	173	51290	49.485	ug/l #	98
73) Isopropylbenzene	12.46	105	419275	44.986	ug/l	100
74) N-amyl acetate	12.27	43	129241	43.687	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	88352	47.203	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	69729m	52.477	ug/l	
77) Bromobenzene	12.74	156	104164	49.331	ug/l	95
78) n-propylbenzene	12.80	91	486204	43.618	ug/l	99
79) 2-Chlorotoluene	12.89	91	292812	45.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	361644	46.049	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	25836	41.125	ug/l	99
82) 4-Chlorotoluene	12.99	91	302175	44.643	ug/l	99
83) tert-Butylbenzene	13.21	119	319157	45.961	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	360642	45.573	ug/l	100
85) sec-Butylbenzene	13.38	105	424032	44.005	ug/l	99
86) p-Isopropyltoluene	13.49	119	387481	44.024	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	192348	46.345	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	193564	46.869	ug/l	98
89) n-Butylbenzene	13.82	91	347560	40.675	ug/l	99
90) Hexachloroethane	14.09	117	70349	45.784	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	178684	47.833	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14942	43.622	ug/l	89

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93) 1,2,4-Trichlorobenzene	15.13	180	123780	47.593	ug/l	100
94) Hexachlorobutadiene	15.24	225	78358	43.528	ug/l	99
95) Naphthalene	15.36	128	250966	46.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	114886	50.043	ug/l	99

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

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