

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015278.D
 Acq On : 21 Apr 2020 22:59
 Operator : SY/VA
 Sample : VW0421SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS02

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:41:48 AM

Quant Time: Apr 22 07:53:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	95021	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
35) Dibromofluoromethane	7.88	113	93935	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	10.32	98	358971	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.62	95	134815	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	32191	18.923	ug/l	96
3) Chloromethane	2.21	50	35880	19.369	ug/l	100
4) Vinyl Chloride	2.36	62	42023	19.210	ug/l	97
5) Bromomethane	2.76	94	36600	23.531	ug/l	96
6) Chloroethane	2.92	64	26273	19.362	ug/l	98
7) Trichlorofluoromethane	3.26	101	60643	19.591	ug/l	97
8) Diethyl Ether	3.68	74	18546	21.345	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37403	19.594	ug/l	92
10) Methyl Iodide	4.28	142	33668	16.792	ug/l	97
11) Tert butyl alcohol	5.18	59	15879	110.581	ug/l	100
12) 1,1-Dichloroethene	4.04	96	36318	19.766	ug/l	90
13) Acrolein	3.90	56	10551	140.385	ug/l	97
14) Allyl chloride	4.67	41	45994	18.869	ug/l #	83
15) Acrylonitrile	5.37	53	33443	101.143	ug/l	99
16) Acetone	4.14	43	24641	80.087	ug/l	97
17) Carbon Disulfide	4.39	76	103768	19.004	ug/l	99
18) Methyl Acetate	4.67	43	17059	20.946	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	90772	21.521	ug/l	94
20) Methylene Chloride	4.92	84	39790	19.733	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	42960	20.616	ug/l	90
22) Diisopropyl ether	6.32	45	96444	20.625	ug/l #	93
23) Vinyl Acetate	6.26	43	287381	104.729	ug/l	95
24) 1,1-Dichloroethane	6.22	63	66136	20.408	ug/l	97
25) 2-Butanone	7.17	43	38936	95.383	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	63626	18.662	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	46919	20.856	ug/l	97
28) Bromochloromethane	7.51	49	24756	21.010	ug/l #	74
29) Tetrahydrofuran	7.53	42	26727	105.092	ug/l	90
30) Chloroform	7.68	83	74382	21.266	ug/l	100
31) Cyclohexane	7.96	56	62053	19.049	ug/l	88
32) 1,1,1-Trichloroethane	7.87	97	68484	20.287	ug/l	99
36) 1,1-Dichloropropene	8.09	75	56334	19.591	ug/l	97
37) Ethyl Acetate	7.26	43	19176	20.548	ug/l #	96
38) Carbon Tetrachloride	8.07	117	61118	19.449	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	70248	18.354	ug/l	95
40) Benzene	8.32	78	155040	20.184	ug/l	96
41) Methacrylonitrile	7.49	41	10386	18.548	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	46341	20.493	ug/l	99
43) Isopropyl Acetate	8.43	43	38827	19.837	ug/l	94
44) Trichloroethene	9.09	130	49329	20.995	ug/l	98
45) 1,2-Dichloropropane	9.37	63	36995	20.710	ug/l	98
46) Dibromomethane	9.46	93	21603	20.907	ug/l #	84
47) Bromodichloromethane	9.65	83	57032	20.647	ug/l	97
48) Methyl methacrylate	9.44	41	17298	18.695	ug/l #	80
49) 1,4-Dioxane	9.45	88	5284	383.588	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	91236	99.297	ug/l	96
52) Toluene	10.39	92	102977	19.155	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	53729	19.726	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	64384	20.337	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30583	21.137	ug/l	98
56) Ethyl methacrylate	10.65	69	35764	19.187	ug/l	93
57) 1,3-Dichloropropane	10.93	76	49657	20.718	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	90337	104.536	ug/l #	88
59) 2-Hexanone	10.97	43	60850	92.775	ug/l	96
60) Dibromochloromethane	11.13	129	40156	21.020	ug/l	100
61) 1,2-Dibromoethane	11.23	107	29572	20.946	ug/l	99
64) Tetrachloroethene	10.87	164	43038	20.540	ug/l #	89
65) Chlorobenzene	11.66	112	116920	20.295	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44741	21.608	ug/l	98
67) Ethyl Benzene	11.73	91	206447	19.216	ug/l	99
68) m/p-Xylenes	11.84	106	164712	39.113	ug/l	98
69) o-Xylene	12.16	106	77186	19.637	ug/l	100
70) Styrene	12.18	104	131946	19.693	ug/l	99
71) Bromoform	12.35	173	24453	20.960	ug/l #	97
73) Isopropylbenzene	12.46	105	210039	18.736	ug/l	99
74) N-amyl acetate	12.27	43	36922	18.931	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	31907	20.046	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	24316m	19.440	ug/l	
77) Bromobenzene	12.74	156	50672	19.674	ug/l	83
78) n-propylbenzene	12.80	91	242780	18.600	ug/l	96
79) 2-Chlorotoluene	12.89	91	139956	19.026	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	184453	19.101	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10303	18.006	ug/l	91
82) 4-Chlorotoluene	12.99	91	147269	18.856	ug/l	97
83) tert-Butylbenzene	13.21	119	159534	18.901	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	182379	19.148	ug/l	99
85) sec-Butylbenzene	13.38	105	217379	18.649	ug/l	98
86) p-Isopropyltoluene	13.50	119	204992	18.926	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	99661	19.475	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	98523	19.640	ug/l	97
89) n-Butylbenzene	13.82	91	175842	17.762	ug/l	97
90) Hexachloroethane	14.09	117	37949	19.105	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	88600	19.924	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5409	18.778	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59037	19.100	ug/l	95
94) Hexachlorobutadiene	15.23	225	38287	18.579	ug/l	97
95) Naphthalene	15.36	128	93695	18.844	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	48205	19.168	ug/l	99

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

