

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008905.D
 Acq On : 01 Mar 2019 00:55
 Operator : SY/VA
 Sample : VW0228SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 2:57:20 PM

Quant Time: Mar 01 07:01:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	409497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	153561	60.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.42%	
35) Dibromofluoromethane	7.88	113	141180	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
50) Toluene-d8	10.32	98	521302	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	12.62	95	202440	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	50473	18.533	ug/l	96
3) Chloromethane	2.21	50	67049	20.225	ug/l	98
4) Vinyl Chloride	2.35	62	66968	19.080	ug/l	99
5) Bromomethane	2.76	94	70140	26.904	ug/l	99
6) Chloroethane	2.91	64	48020	19.267	ug/l	94
7) Trichlorofluoromethane	3.25	101	89803	20.230	ug/l	99
8) Diethyl Ether	3.69	74	30589	21.765	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55179	20.469	ug/l	98
10) Methyl Iodide	4.27	142	50054	14.849	ug/l	100
11) Tert butyl alcohol	5.20	59	25412	111.927	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	49073	20.613	ug/l	96
13) Acrolein	3.89	56	16063	81.548	ug/l	97
14) Allyl chloride	4.67	41	84791	20.636	ug/l	97
15) Acrylonitrile	5.37	53	66678	110.549	ug/l	100
16) Acetone	4.14	43	55882	94.535	ug/l	92
17) Carbon Disulfide	4.38	76	144564	18.302	ug/l	100
18) Methyl Acetate	4.68	43	31484	22.455	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	148818	23.094	ug/l	98
20) Methylene Chloride	4.92	84	67348	20.070	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	58245	21.150	ug/l	96
22) Diisopropyl ether	6.31	45	186353	22.735	ug/l	98
23) Vinyl Acetate	6.26	43	567056	111.971	ug/l	98
24) 1,1-Dichloroethane	6.21	63	105306	22.171	ug/l	99
25) 2-Butanone	7.18	43	90440	109.434	ug/l	99
26) 2,2-Dichloropropane	7.17	77	82100	19.039	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	66328	22.516	ug/l	95
28) Bromochloromethane	7.51	49	44548	22.413	ug/l	99
29) Tetrahydrofuran	7.53	42	57629	109.423	ug/l	98
30) Chloroform	7.67	83	110518	22.681	ug/l	96
31) Cyclohexane	7.95	56	98327	20.451	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	98674	22.268	ug/l	100
36) 1,1-Dichloropropene	8.08	75	85089	21.346	ug/l	99
37) Ethyl Acetate	7.26	43	41523	22.400	ug/l	100
38) Carbon Tetrachloride	8.06	117	86514	20.580	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95889	19.286	ug/l	95
40) Benzene	8.32	78	234502	21.546	ug/l	98
41) Methacrylonitrile	7.48	41	25680	23.568	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	76959	22.322	ug/l	99
43) Isopropyl Acetate	8.42	43	81548	22.042	ug/l	99
44) Trichloroethene	9.09	130	65093	21.231	ug/l	99
45) 1,2-Dichloropropane	9.37	63	59568	22.148	ug/l	97
46) Dibromomethane	9.46	93	33379	22.312	ug/l	99
47) Bromodichloromethane	9.64	83	82077	22.550	ug/l	100
48) Methyl methacrylate	9.44	41	34730	19.601	ug/l	92
49) 1,4-Dioxane	9.46	88	9189	383.564	ug/l #	67
51) 4-Methyl-2-Pentanone	10.21	43	200369	106.678	ug/l	99
52) Toluene	10.38	92	154262	20.885	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76872	20.721	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	92409	21.840	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	47330	23.329	ug/l	95
56) Ethyl methacrylate	10.65	69	55198	20.941	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80908	22.587	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	154000	116.167	ug/l	99
59) 2-Hexanone	10.97	43	131938	98.680	ug/l	99
60) Dibromochloromethane	11.13	129	55090	22.262	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44366	22.092	ug/l	100
64) Tetrachloroethene	10.86	164	63590	22.499	ug/l	99
65) Chlorobenzene	11.66	112	172888	20.824	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	59929	21.348	ug/l	98
67) Ethyl Benzene	11.73	91	304054	20.486	ug/l	100
68) m/p-Xylenes	11.84	106	242901	40.961	ug/l	99
69) o-Xylene	12.16	106	114077	20.495	ug/l	100
70) Styrene	12.18	104	184567	20.611	ug/l	99
71) Bromoform	12.35	173	31712	21.016	ug/l	100
73) Isopropylbenzene	12.46	105	305625	20.650	ug/l	99
74) N-amyl acetate	12.27	43	71965	19.303	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	51978	21.493	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37324m	20.939	ug/l	
77) Bromobenzene	12.75	156	75049	21.458	ug/l	97
78) n-propylbenzene	12.80	91	368649	20.362	ug/l	99
79) 2-Chlorotoluene	12.90	91	213585	20.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	258812	20.122	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13767	18.776	ug/l	98
82) 4-Chlorotoluene	12.99	91	224531	20.729	ug/l	100
83) tert-Butylbenzene	13.21	119	230870	20.759	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	261407	19.634	ug/l	99
85) sec-Butylbenzene	13.38	105	324474	20.291	ug/l	100
86) p-Isopropyltoluene	13.50	119	285515	19.476	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	148454	20.458	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	149329	20.880	ug/l	98
89) n-Butylbenzene	13.83	91	257556	18.753	ug/l	99
90) Hexachloroethane	14.10	117	49075	20.449	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	133606	20.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9109	20.822	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	90182	19.358	ug/l	99
94) Hexachlorobutadiene	15.24	225	54321	19.796	ug/l	98
95) Naphthalene	15.37	128	150602	18.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	76717	19.046	ug/l	96

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

