

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010820\
 Data File : VW014570.D
 Acq On : 08 Jan 2020 19:52
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/9/2020 9:29:47 AM

Quant Time: Jan 09 03:06:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	730014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1092220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	946801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	467044	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	292382	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	7.88	113	302069	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.32	98	1250636	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.62	95	429578	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	177737	43.121	ug/l	100
3) Chloromethane	2.21	50	228240	45.239	ug/l	98
4) Vinyl Chloride	2.36	62	368742	49.691	ug/l	99
5) Bromomethane	2.78	94	231131	50.420	ug/l	98
6) Chloroethane	2.92	64	215284	50.894	ug/l	98
7) Trichlorofluoromethane	3.26	101	155358	41.844	ug/l	96
8) Diethyl Ether	3.67	74	184330	49.898	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	342108	49.315	ug/l	98
10) Methyl Iodide	4.27	142	531260	50.756	ug/l	99
11) Tert butyl alcohol	5.16	59	108345	217.145	ug/l	99
12) 1,1-Dichloroethene	4.04	96	366672	50.473	ug/l	97
13) Acrolein	3.89	56	150791	270.681	ug/l	98
14) Allyl chloride	4.66	41	544479	49.045	ug/l	99
15) Acrylonitrile	5.36	53	409764	242.670	ug/l	99
16) Acetone	4.11	43	394161	218.706	ug/l	100
17) Carbon Disulfide	4.39	76	1050129	47.960	ug/l	98
18) Methyl Acetate	4.66	43	204617	47.010	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	480066	53.235	ug/l	97
20) Methylene Chloride	4.91	84	384700	53.050	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	390618	50.639	ug/l	99
22) Diisopropyl ether	6.31	45	1063667	51.188	ug/l	99
23) Vinyl Acetate	6.24	43	3103809	247.358	ug/l	100
24) 1,1-Dichloroethane	6.21	63	660940	50.425	ug/l	99
25) 2-Butanone	7.17	43	540089	233.516	ug/l	98
26) 2,2-Dichloropropane	7.17	77	331535	45.686	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	416845	51.428	ug/l	99
28) Bromochloromethane	7.51	49	257129	50.037	ug/l	99
29) Tetrahydrofuran	7.52	42	334569	233.502	ug/l	98
30) Chloroform	7.67	83	618853	50.489	ug/l	98
31) Cyclohexane	7.95	56	635365	46.643	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	483727	49.070	ug/l	99
36) 1,1-Dichloropropene	8.07	75	527433	50.091	ug/l	99
37) Ethyl Acetate	7.24	43	224754	47.064	ug/l	99
38) Carbon Tetrachloride	8.07	117	447964	49.038	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	672339	49.756	ug/l	100
40) Benzene	8.32	78	1519639	51.009	ug/l	99
41) Methacrylonitrile	7.48	41	142763	53.630	ug/l	92
42) 1,2-Dichloroethane	8.40	62	378712	48.985	ug/l	100
43) Isopropyl Acetate	8.42	43	429381	49.515	ug/l	100
44) Trichloroethene	9.09	130	414101	51.368	ug/l	95
45) 1,2-Dichloropropane	9.37	63	372560	50.962	ug/l	99
46) Dibromomethane	9.45	93	178943	49.582	ug/l	98
47) Bromodichloromethane	9.64	83	453197	50.863	ug/l	99
48) Methyl methacrylate	9.43	41	210510	49.720	ug/l	99
49) 1,4-Dioxane	9.44	88	60827	901.126	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1101420	244.584	ug/l	99
52) Toluene	10.38	92	965085	51.492	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	468353	50.767	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	581235	51.550	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	265040	50.284	ug/l	99
56) Ethyl methacrylate	10.64	69	362647	52.941	ug/l	99
57) 1,3-Dichloropropane	10.93	76	466555	50.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	541845	260.087	ug/l	100
59) 2-Hexanone	10.96	43	779757	251.281	ug/l	99
60) Dibromochloromethane	11.13	129	301583	50.711	ug/l	98
61) 1,2-Dibromoethane	11.23	107	250920	50.151	ug/l	99
64) Tetrachloroethene	10.86	164	356755	52.047	ug/l	97
65) Chlorobenzene	11.65	112	997223	51.411	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	340059	52.069	ug/l	99
67) Ethyl Benzene	11.73	91	1815317	51.931	ug/l	100
68) m/p-Xylenes	11.83	106	1392286	104.068	ug/l	98
69) o-Xylene	12.16	106	648113	52.445	ug/l	100
70) Styrene	12.18	104	1129045	54.015	ug/l	99
71) Bromoform	12.35	173	181546	50.963	ug/l #	97
73) Isopropylbenzene	12.46	105	1757763	51.292	ug/l	99
74) N-amyl acetate	12.27	43	389741	50.722	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	303183	49.015	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	226984m	51.402	ug/l	
77) Bromobenzene	12.74	156	410001	51.512	ug/l	98
78) n-propylbenzene	12.80	91	2091069	51.891	ug/l	100
79) 2-Chlorotoluene	12.89	91	1176523	51.304	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1495775	51.984	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	97901	49.397	ug/l	99
82) 4-Chlorotoluene	12.99	91	1226326	51.472	ug/l	100
83) tert-Butylbenzene	13.20	119	1317420	52.295	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1496493	52.263	ug/l	99
85) sec-Butylbenzene	13.38	105	1816465	52.092	ug/l	100
86) p-Isopropyltoluene	13.49	119	1677242	52.769	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	785789	50.770	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	783950	51.305	ug/l	99
89) n-Butylbenzene	13.82	91	1573408	53.307	ug/l	100
90) Hexachloroethane	14.09	117	279241	50.291	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	701010	51.531	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	47806	48.805	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	510414	55.562	ug/l	98
94) Hexachlorobutadiene	15.23	225	317867	51.633	ug/l	99
95) Naphthalene	15.36	128	897919	57.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	449402	56.123	ug/l	99

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

