

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015218.D
 Acq On : 20 Apr 2020 12:55
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:15 AM

Quant Time: Apr 20 13:54:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	40347	17.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.08%	
35) Dibromofluoromethane	7.89	113	39615	19.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.16%	
50) Toluene-d8	10.32	98	162187	19.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.48%	
62) 4-Bromofluorobenzene	12.62	95	59878	20.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	41002	26.939	ug/l	96
3) Chloromethane	2.21	50	44428	20.101	ug/l	97
4) Vinyl Chloride	2.36	62	53133	20.414	ug/l	100
5) Bromomethane	2.76	94	37771	27.566	ug/l	99
6) Chloroethane	2.92	64	31707	24.696	ug/l	98
7) Trichlorofluoromethane	3.26	101	75961	45.545	ug/l	99
8) Diethyl Ether	3.69	74	20777	16.159	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46608	18.389	ug/l	93
10) Methyl Iodide	4.28	142	47073	12.437	ug/l	99
11) Tert butyl alcohol	5.18	59	14454	82.210	ug/l	96
12) 1,1-Dichloroethene	4.04	96	45176	17.307	ug/l	93
13) Acrolein	3.91	56	9027	49.386	ug/l	95
14) Allyl chloride	4.68	41	58862	15.243	ug/l	86
15) Acrylonitrile	5.37	53	36455	67.558	ug/l	98
16) Acetone	4.14	43	33880	80.315	ug/l	99
17) Carbon Disulfide	4.39	76	132893	16.727	ug/l	97
18) Methyl Acetate	4.68	43	17600	13.644	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	100238	29.321	ug/l	97
20) Methylene Chloride	4.93	84	47197	16.156	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	50901	18.482	ug/l	95
22) Diisopropyl ether	6.31	45	112719	14.474	ug/l	91
23) Vinyl Acetate	6.26	43	327459	72.402	ug/l	96
24) 1,1-Dichloroethane	6.22	63	79246	17.115	ug/l	99
25) 2-Butanone	7.18	43	44484	65.898	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	82540	26.786	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	55337	18.638	ug/l	99
28) Bromochloromethane	7.51	49	27692	14.310	ug/l #	77
29) Tetrahydrofuran	7.53	42	27831	62.896	ug/l	89
30) Chloroform	7.68	83	84836	18.705	ug/l	98
31) Cyclohexane	7.95	56	80041	16.172	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	83030	21.731	ug/l	99
36) 1,1-Dichloropropene	8.09	75	69461	21.255	ug/l	99
37) Ethyl Acetate	7.26	43	20464	15.046	ug/l #	96
38) Carbon Tetrachloride	8.07	117	74985	24.957	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89038	20.275	ug/l	96
40) Benzene	8.32	78	181600	19.570	ug/l	96
41) Methacrylonitrile	7.48	41	12487	15.516	ug/l	92
42) 1,2-Dichloroethane	8.40	62	52290	22.202	ug/l	100
43) Isopropyl Acetate	8.43	43	43489	16.362	ug/l	96
44) Trichloroethene	9.09	130	56501	23.173	ug/l	92
45) 1,2-Dichloropropane	9.37	63	42678	18.693	ug/l	99
46) Dibromomethane	9.46	93	23367	20.479	ug/l #	89
47) Bromodichloromethane	9.65	83	65730	22.218	ug/l	99
48) Methyl methacrylate	9.44	41	19387	15.594	ug/l #	85
49) 1,4-Dioxane	9.46	88	5018	277.206	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	97291	69.207	ug/l	96
52) Toluene	10.39	92	123026	20.712	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	62441	20.746	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	74605	20.546	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33045	20.439	ug/l	98
56) Ethyl methacrylate	10.65	69	40864	18.342	ug/l	92
57) 1,3-Dichloropropane	10.93	76	55130	19.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	95328	86.456	ug/l	92
59) 2-Hexanone	10.97	43	68015	77.090	ug/l	97
60) Dibromochloromethane	11.13	129	43876	22.745	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31469	20.197	ug/l	98
64) Tetrachloroethene	10.86	164	48621	24.818	ug/l	94
65) Chlorobenzene	11.66	112	131578	20.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47600	21.945	ug/l	99
67) Ethyl Benzene	11.73	91	246922	20.842	ug/l	97
68) m/p-Xylenes	11.84	106	193295	42.993	ug/l	100
69) o-Xylene	12.16	106	88635	21.033	ug/l	99
70) Styrene	12.18	104	151313	21.255	ug/l	100
71) Bromoform	12.35	173	25787	23.939	ug/l #	97
73) Isopropylbenzene	12.46	105	250908	19.247	ug/l	99
74) N-amyl acetate	12.27	43	40938	13.509	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	34155	15.637	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	26577m	17.761	ug/l	
77) Bromobenzene	12.75	156	56022	20.743	ug/l	86
78) n-propylbenzene	12.80	91	290726	18.492	ug/l	97
79) 2-Chlorotoluene	12.89	91	162727	18.724	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	213238	19.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11942	15.440	ug/l	91
82) 4-Chlorotoluene	12.99	91	172990	18.840	ug/l	99
83) tert-Butylbenzene	13.21	119	186553	19.600	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	213412	19.561	ug/l	98
85) sec-Butylbenzene	13.38	105	258965	19.144	ug/l	97
86) p-Isopropyltoluene	13.50	119	240316	19.911	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	113356	21.067	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	110377	20.677	ug/l	99
89) n-Butylbenzene	13.82	91	218412	18.304	ug/l	98
90) Hexachloroethane	14.09	117	44288	19.085	ug/l	80
91) 1,2-Dichlorobenzene	13.87	146	95018	19.862	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5728	16.196	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64093	20.304	ug/l	97
94) Hexachlorobutadiene	15.24	225	44225	24.284	ug/l	97
95) Naphthalene	15.36	128	97406	16.040	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	50649	18.697	ug/l	98

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

