

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064587.D
 Acq On : 24 Dec 2019 13:20
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Manual Integrations
 APPROVED

apatel
 12/26/2019 11:14:21 AM

Quant Time: Dec 24 17:20:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	455850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	638081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	545148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192711	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.91	113	193065	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.34	98	765243	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.64	95	235594	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	179459	50.657	ug/l	96
3) Chloromethane	2.21	50	256534	51.777	ug/l	99
4) Vinyl Chloride	2.35	62	298615	49.432	ug/l	100
5) Bromomethane	2.77	94	203124	46.245	ug/l	96
6) Chloroethane	2.93	64	201123	49.687	ug/l	99
7) Trichlorofluoromethane	3.27	101	506932	49.838	ug/l	100
8) Diethyl Ether	3.70	74	94143	46.609	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	214726	50.974	ug/l	99
10) Methyl Iodide	4.29	142	221126	48.869	ug/l	100
11) Tert butyl alcohol	5.25	59	59642	258.900	ug/l	97
12) 1,1-Dichloroethene	4.06	96	201402	50.219	ug/l	98
13) Acrolein	3.92	56	78988	246.030	ug/l	99
14) Allyl chloride	4.71	41	310285	49.623	ug/l	99
15) Acrylonitrile	5.43	53	197954	235.284	ug/l	98
16) Acetone	4.16	43	225777	268.961	ug/l	95
17) Carbon Disulfide	4.40	76	638763	49.257	ug/l	100
18) Methyl Acetate	4.73	43	104486	46.171	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	427322	47.971	ug/l	96
20) Methylene Chloride	4.96	84	207650	50.566	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	226409	49.571	ug/l	98
22) Diisopropyl ether	6.37	45	597814	47.933	ug/l	94
23) Vinyl Acetate	6.31	43	1760031	248.774	ug/l	99
24) 1,1-Dichloroethane	6.26	63	370270	49.453	ug/l	100
25) 2-Butanone	7.22	43	271989	246.166	ug/l	97
26) 2,2-Dichloropropane	7.21	77	351816	50.539	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	241747	49.044	ug/l	100
28) Bromochloromethane	7.55	49	152593	52.428	ug/l	98
29) Tetrahydrofuran	7.57	42	161427	234.936	ug/l	100
30) Chloroform	7.71	83	383979	48.881	ug/l	95
31) Cyclohexane	7.98	56	360550	48.107	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	364360	49.382	ug/l	98
36) 1,1-Dichloropropene	8.11	75	318144	51.802	ug/l	99
37) Ethyl Acetate	7.30	43	121424	50.327	ug/l	99
38) Carbon Tetrachloride	8.10	117	342591	52.315	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	395245	53.135	ug/l	98
40) Benzene	8.35	78	849180	50.650	ug/l	96
41) Methacrylonitrile	7.53	41	70857	50.617	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	234498	48.401	ug/l	99
43) Isopropyl Acetate	8.46	43	231685	48.245	ug/l	98
44) Trichloroethene	9.11	130	249277	50.612	ug/l	99
45) 1,2-Dichloropropane	9.39	63	201276	50.281	ug/l	95
46) Dibromomethane	9.48	93	110526	49.523	ug/l	96
47) Bromodichloromethane	9.66	83	290018	48.834	ug/l	94
48) Methyl methacrylate	9.46	41	107408	47.501	ug/l	92
49) 1,4-Dioxane	9.47	88	24125	937.461	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	579721	244.231	ug/l	99
52) Toluene	10.40	92	562764	51.162	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	283423	51.188	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	334529	51.240	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	147544	49.055	ug/l	97
56) Ethyl methacrylate	10.66	69	185916	49.494	ug/l	99
57) 1,3-Dichloropropane	10.95	76	252245	48.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	337068	235.527	ug/l	99
59) 2-Hexanone	10.98	43	418599	259.829	ug/l	100
60) Dibromochloromethane	11.14	129	204860	49.253	ug/l	99
61) 1,2-Dibromoethane	11.25	107	145615	49.085	ug/l	99
64) Tetrachloroethene	10.87	164	222669	53.241	ug/l	98
65) Chlorobenzene	11.67	112	573447	50.683	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	225722	52.920	ug/l	97
67) Ethyl Benzene	11.74	91	1080018	52.590	ug/l	99
68) m/p-Xylenes	11.86	106	844462	106.535	ug/l	99
69) o-Xylene	12.18	106	377023	52.659	ug/l	99
70) Styrene	12.20	104	651343	51.828	ug/l	99
71) Bromoform	12.37	173	123254	50.671	ug/l #	99
73) Isopropylbenzene	12.48	105	1032159	52.569	ug/l	100
74) N-amyl acetate	12.29	43	215108	51.252	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	151353	49.071	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	119795m	55.215	ug/l	
77) Bromobenzene	12.77	156	244810	50.744	ug/l	98
78) n-propylbenzene	12.83	91	1215746	53.076	ug/l	99
79) 2-Chlorotoluene	12.91	91	643138	51.111	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	849941	52.698	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51646	49.786	ug/l	99
82) 4-Chlorotoluene	13.01	91	688917	51.447	ug/l	99
83) tert-Butylbenzene	13.23	119	751647	53.675	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	849301	52.873	ug/l	97
85) sec-Butylbenzene	13.41	105	1036137	53.970	ug/l	99
86) p-Isopropyltoluene	13.53	119	976869	53.215	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	474425	51.585	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	464584	51.421	ug/l	100
89) n-Butylbenzene	13.85	91	902547	54.596	ug/l	100
90) Hexachloroethane	14.12	117	179938	51.314	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	397547	50.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25224	50.447	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	305604	52.924	ug/l	98
94) Hexachlorobutadiene	15.28	225	195274	53.740	ug/l	99
95) Naphthalene	15.41	128	478311	52.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	257738	52.284	ug/l	100

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

