

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063191.D
 Acq On : 29 Jul 2019 10:47
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 30 02:21:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 02:15:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1139035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1504473	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1237176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	619391	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	49008	3.88	ug/l	0.00
Spiked Amount			Recovery	=	7.76%	
35) Dibromofluoromethane	6.92	113	52809	4.11	ug/l	0.00
Spiked Amount			Recovery	=	8.22%	
50) Toluene-d8	10.40	98	117660	4.09	ug/l	0.00
Spiked Amount			Recovery	=	8.18%	
62) 4-Bromofluorobenzene	13.55	95	61374	4.69	ug/l	0.00
Spiked Amount			Recovery	=	9.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	67783	4.865	ug/l	94
3) Chloromethane	1.74	50	53346	4.930	ug/l	95
4) Vinyl Chloride	1.84	62	53822	4.806	ug/l	93
5) Bromomethane	2.14	94	32364	5.730	ug/l #	76
6) Chloroethane	2.26	64	26773	5.178	ug/l	98
7) Trichlorofluoromethane	2.52	101	109066	5.020	ug/l	89
8) Diethyl Ether	2.85	74	13825	4.547	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	58076	4.826	ug/l	89
10) Methyl Iodide	3.29	142	65259	3.754	ug/l	97
11) Tert butyl alcohol	4.06	59	15725	28.192	ug/l	96
12) 1,1-Dichloroethene	3.11	96	44338	5.019	ug/l	79
13) Acrolein	3.02	56	12269	22.985	ug/l #	55
14) Allyl chloride	3.61	41	67646	4.804	ug/l #	96
15) Acrylonitrile	4.18	53	30959	21.530	ug/l	96
16) Acetone	3.21	43	57430	23.322	ug/l #	91
17) Carbon Disulfide	3.35	76	136109	4.603	ug/l	99
18) Methyl Acetate	3.63	43	22633	4.785	ug/l	95
19) Methyl tert-butyl Ether	4.22	73	89167	4.468	ug/l #	89
20) Methylene Chloride	3.79	84	48598	4.882	ug/l	92
21) trans-1,2-Dichloroethene	4.20	96	46967	4.738	ug/l	88
22) Diisopropyl ether	5.11	45	121998	4.334	ug/l	95
23) Vinyl Acetate	5.05	43	360071	20.832	ug/l	98
24) 1,1-Dichloroethane	4.97	63	77696	4.326	ug/l #	92
25) 2-Butanone	6.05	43	50078	20.264	ug/l	97
26) 2,2-Dichloropropane	6.01	77	90401	4.884	ug/l	89
27) cis-1,2-Dichloroethene	6.02	96	46980	4.420	ug/l	88
28) Bromochloromethane	6.44	49	25949	3.620	ug/l	95
29) Tetrahydrofuran	6.46	42	24060	20.563	ug/l	94
30) Chloroform	6.65	83	108194	4.854	ug/l	90
31) Cyclohexane	6.94	56	52552	4.668	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	107057	4.966	ug/l	90
36) 1,1-Dichloropropene	7.13	75	65642	4.781	ug/l #	87
37) Ethyl Acetate	6.17	43	33965	5.518	ug/l #	58
38) Carbon Tetrachloride	7.10	117	95097	4.601	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	57324	5.011	ug/l #	92
40) Benzene	7.44	78	138660	4.819	ug/l	97
41) Methacrylonitrile	6.43	41	35435	4.802	ug/l #	82
42) 1,2-Dichloroethane	7.57	62	67775	4.444	ug/l	97
43) Isopropyl Acetate	9.23	43	36062	4.577	ug/l #	93
44) Trichloroethene	8.53	130	58270	4.997	ug/l	93
45) 1,2-Dichloropropane	8.94	63	33531	4.584	ug/l #	85
46) Dibromomethane	9.05	93	29430	4.839	ug/l #	79
47) Bromodichloromethane	9.37	83	71655	4.622	ug/l	86
48) Methyl methacrylate	9.11	41	22877	4.477	ug/l	97
49) 1,4-Dioxane	9.06	88	3124	73.889	ug/l	91
51) 4-Methyl-2-Pentanone	10.29	43	116967	21.827	ug/l	93
52) Toluene	10.50	92	94734	4.950	ug/l	81
53) t-1,3-Dichloropropene	10.90	75	59982	4.488	ug/l	91
54) cis-1,3-Dichloropropene	10.03	75	61810	4.400	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	32039	4.957	ug/l	90
56) Ethyl methacrylate	11.04	69	29715	4.198	ug/l #	82
57) 1,3-Dichloropropane	11.41	76	47131	4.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	83414	22.648	ug/l	98
59) 2-Hexanone	11.53	43	84441	21.866	ug/l	90
60) Dibromochloromethane	11.67	129	54557	4.471	ug/l	94
61) 1,2-Dibromoethane	11.80	107	35743	4.481	ug/l	99
64) Tetrachloroethene	11.25	164	51883	5.264	ug/l #	84
65) Chlorobenzene	12.39	112	116423	4.892	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	49297	4.703	ug/l	86
67) Ethyl Benzene	12.52	91	200851	4.969	ug/l	92
68) m/p-Xylenes	12.67	106	143100	9.653	ug/l	98
69) o-Xylene	13.04	106	68722	5.048	ug/l	95
70) Styrene	13.07	104	113795	4.713	ug/l	97
71) Bromoform	13.23	173	34978	4.589	ug/l	93
73) Isopropylbenzene	13.40	105	201667	5.188	ug/l	98
74) N-amyl acetate	13.26	43	46652	4.539	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	29515	4.470	ug/l #	89
76) 1,2,3-Trichloropropane	13.73	75	33640	4.522	ug/l	100
77) Bromobenzene	13.67	156	54687	4.938	ug/l	77
78) n-propylbenzene	13.77	91	249864	5.401	ug/l	99
79) 2-Chlorotoluene	13.84	91	134680	5.024	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	174727	5.211	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	10116	4.897	ug/l #	81
82) 4-Chlorotoluene	13.95	91	157505	4.993	ug/l	96
83) tert-Butylbenzene	14.18	119	196949	5.144	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	179101	5.164	ug/l	92
85) sec-Butylbenzene	14.36	105	211023	5.232	ug/l	94
86) p-Isopropyltoluene	14.49	119	207996	5.403	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	108956	5.556	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	100957	5.091	ug/l	93
89) n-Butylbenzene	14.79	91	169502	5.098	ug/l	98
90) Hexachloroethane	15.01	117	50982	5.083	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	88168	5.160	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	7923	5.890	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	75719	5.586	ug/l	96
94) Hexachlorobutadiene	16.03	225	49921	5.082	ug/l	93
95) Naphthalene	16.12	128	104146	5.436	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	60210	5.623	ug/l	94

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

