

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063075.D
 Acq On : 15 Jul 2019 10:14
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:14:56 AM

Quant Time: Jul 16 07:57:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	809817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1120970	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	906546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	490353	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	42437	4.69	ug/l	0.00
Spiked Amount			Recovery	=	9.38%	
35) Dibromofluoromethane	6.91	113	51132	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	
50) Toluene-d8	10.39	98	109460	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	
62) 4-Bromofluorobenzene	13.55	95	57340	6.01	ug/l	0.00
Spiked Amount			Recovery	=	12.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	66979	6.568	ug/l	95
3) Chloromethane	1.74	50	59540	7.640	ug/l	93
4) Vinyl Chloride	1.84	62	48051	6.229	ug/l	97
5) Bromomethane	2.14	94	27324	7.770	ug/l #	83
6) Chloroethane	2.26	64	23002	6.535	ug/l #	60
7) Trichlorofluoromethane	2.53	101	100940	6.350	ug/l	97
8) Diethyl Ether	2.87	74	12439	6.199	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	57647	6.748	ug/l	99
10) Methyl Iodide	3.29	142	59571	5.295	ug/l	99
11) Tert butyl alcohol	4.06	59	16648	38.490	ug/l #	62
12) 1,1-Dichloroethene	3.12	96	44104	6.919	ug/l	95
13) Acrolein	3.02	56	7099m	19.597	ug/l	
14) Allyl chloride	3.61	41	57129	5.947	ug/l #	90
15) Acrylonitrile	4.19	53	32788	33.408	ug/l	92
16) Acetone	3.22	43	59710	28.451	ug/l	98
17) Carbon Disulfide	3.36	76	125164	6.269	ug/l	99
18) Methyl Acetate	3.64	43	37828	13.813	ug/l #	80
19) Methyl tert-butyl Ether	4.23	73	93006	6.522	ug/l	95
20) Methylene Chloride	3.80	84	50377	7.226	ug/l #	85
21) trans-1,2-Dichloroethene	4.20	96	44481	6.523	ug/l	89
22) Diisopropyl ether	5.11	45	119756	6.007	ug/l	95
23) Vinyl Acetate	5.04	43	279194	22.482	ug/l	99
24) 1,1-Dichloroethane	4.96	63	74468	5.820	ug/l #	95
25) 2-Butanone	6.06	43	59149	33.905	ug/l	99
26) 2,2-Dichloropropane	6.01	77	88643	6.510	ug/l	85
27) cis-1,2-Dichloroethene	6.02	96	48777	6.588	ug/l	88
28) Bromochloromethane	6.43	49	27118	5.931	ug/l	88
29) Tetrahydrofuran	6.45	42	27127	33.075	ug/l	95
30) Chloroform	6.65	83	97888	6.302	ug/l	98
31) Cyclohexane	6.94	56	55667	6.729	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	97955	6.127	ug/l	94
36) 1,1-Dichloropropene	7.13	75	67154	6.321	ug/l #	87
37) Ethyl Acetate	6.17	43	23647	4.747	ug/l #	88
38) Carbon Tetrachloride	7.10	117	96695	6.016	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	61392	6.628	ug/l	96
40) Benzene	7.44	78	135105	6.228	ug/l	93
41) Methacrylonitrile	6.44	41	37451	6.500	ug/l #	83
42) 1,2-Dichloroethane	7.57	62	69144	5.914	ug/l	94
43) Isopropyl Acetate	9.22	43	38931	6.708	ug/l #	94
44) Trichloroethene	8.53	130	51472	6.140	ug/l	90
45) 1,2-Dichloropropane	8.93	63	34261	6.366	ug/l	99
46) Dibromomethane	9.05	93	28631	6.147	ug/l #	93
47) Bromodichloromethane	9.36	83	74090	6.199	ug/l	89
48) Methyl methacrylate	9.11	41	28888	7.055	ug/l	91
49) 1,4-Dioxane	9.06	88	4525	130.221	ug/l #	89
51) 4-Methyl-2-Pentanone	10.28	43	118212	28.663	ug/l	97
52) Toluene	10.49	92	92106	6.372	ug/l	89
53) t-1,3-Dichloropropene	10.90	75	61280	6.133	ug/l	93
54) cis-1,3-Dichloropropene	10.03	75	66783	6.198	ug/l	88
55) 1,1,2-Trichloroethane	11.18	97	30043	5.939	ug/l #	87
56) Ethyl methacrylate	11.03	69	32968	6.087	ug/l	91
57) 1,3-Dichloropropane	11.40	76	50463	6.627	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.84	63	88918	30.726	ug/l	97
59) 2-Hexanone	11.52	43	95470	32.037	ug/l	92
60) Dibromochloromethane	11.67	129	58446	6.194	ug/l	96
61) 1,2-Dibromoethane	11.79	107	34994	5.908	ug/l	99
64) Tetrachloroethene	11.24	164	54866	7.304	ug/l #	83
65) Chlorobenzene	12.39	112	114352	6.636	ug/l	90
66) 1,1,1,2-Tetrachloroethane	12.51	131	47453	5.904	ug/l	97
67) Ethyl Benzene	12.52	91	202851	6.588	ug/l	93
68) m/p-Xylenes	12.66	106	148628	13.947	ug/l	91
69) o-Xylene	13.04	106	70417	7.168	ug/l	91
70) Styrene	13.06	104	117423	6.744	ug/l	97
71) Bromoform	13.23	173	34850	6.252	ug/l #	99
73) Isopropylbenzene	13.40	105	186703	5.819	ug/l	93
74) N-amyl acetate	13.26	43	50282	6.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	32911	6.058	ug/l	84
76) 1,2,3-Trichloropropane	13.73	75	36348	6.090	ug/l	80
77) Bromobenzene	13.66	156	53662	6.174	ug/l	75
78) n-propylbenzene	13.77	91	224328	5.917	ug/l	94
79) 2-Chlorotoluene	13.83	91	143820	6.664	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	179061	6.593	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	10823	6.937	ug/l #	73
82) 4-Chlorotoluene	13.94	91	167256	6.449	ug/l	90
83) tert-Butylbenzene	14.18	119	196456	6.447	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	165330	5.981	ug/l	99
85) sec-Butylbenzene	14.36	105	216787	6.567	ug/l	96
86) p-Isopropyltoluene	14.49	119	200881	6.746	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	96483	6.206	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	99341	6.386	ug/l	96
89) n-Butylbenzene	14.79	91	180992	6.406	ug/l	98
90) Hexachloroethane	15.00	117	50462	6.237	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	89734	6.645	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	6436	6.149	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	66670	6.290	ug/l	97
94) Hexachlorobutadiene	16.03	225	46593	5.813	ug/l	91
95) Naphthalene	16.11	128	89336	6.087	ug/l #	94
96) 1,2,3-Trichlorobenzene	16.26	180	53866	6.552	ug/l	88

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

