

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060968.D
 Acq On : 7 Mar 2019 14:39
 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
 3/8/2019 9:46:23 PM

Quant Time: Mar 08 02:09:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	721695	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	1260698	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1078976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	459562	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	33468	5.61	ug/l	0.01
Spiked Amount			Recovery	=	11.22%	
35) Dibromofluoromethane	6.92	113	47166	4.69	ug/l	0.00
Spiked Amount			Recovery	=	9.38%	
50) Toluene-d8	10.41	98	123680	4.89	ug/l	0.01
Spiked Amount			Recovery	=	9.78%	
62) 4-Bromofluorobenzene	13.55	95	46350	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	34759	4.394	ug/l	97
3) Chloromethane	1.77	50	31247	4.775	ug/l	96
4) Vinyl Chloride	1.86	62	26015	4.374	ug/l	94
5) Bromomethane	2.17	94	7443	7.183	ug/l #	86
6) Chloroethane	2.29	64	7787	5.256	ug/l #	84
7) Trichlorofluoromethane	2.54	101	41407	5.635	ug/l	99
8) Diethyl Ether	2.88	74	10737	3.452	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.16	101	43352	4.555	ug/l	97
10) Methyl Iodide	3.32	142	26630	2.364	ug/l #	96
11) Tert butyl alcohol	4.07	59	9297	21.232	ug/l #	75
12) 1,1-Dichloroethene	3.14	96	33206	4.114	ug/l	91
13) Acrolein	3.05	56	13796	23.001	ug/l	99
14) Allyl chloride	3.64	41	58736	4.399	ug/l	95
15) Acrylonitrile	4.20	53	32634	19.760	ug/l	92
16) Acetone	3.23	43	42367	21.747	ug/l	95
17) Carbon Disulfide	3.39	76	119744	4.177	ug/l	99
18) Methyl Acetate	3.65	43	18702	4.673	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	61684	4.297	ug/l	95
20) Methylene Chloride	3.83	84	62953	5.792	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	38154	4.301	ug/l	97
22) Diisopropyl ether	5.12	45	120253	4.276	ug/l	99
23) Vinyl Acetate	5.06	43	295089	20.025	ug/l	99
24) 1,1-Dichloroethane	5.00	63	63508	4.200	ug/l	96
25) 2-Butanone	6.07	43	50694	21.161	ug/l	94
26) 2,2-Dichloropropane	6.03	77	57665	5.132	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	42372	4.241	ug/l	95
28) Bromochloromethane	6.44	49	31226	4.970	ug/l	88
29) Tetrahydrofuran	6.45	42	26953	21.510	ug/l	91
30) Chloroform	6.67	83	72620	4.963	ug/l	95
31) Cyclohexane	6.96	56	52211	4.069	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	61703	4.903	ug/l	95
36) 1,1-Dichloropropene	7.15	75	53662	4.642	ug/l	97
37) Ethyl Acetate	6.19	43	26394	4.469	ug/l	94
38) Carbon Tetrachloride	7.11	117	58507	4.670	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	52107	4.136	ug/l	91
40) Benzene	7.46	78	127945	4.289	ug/l	98
41) Methacrylonitrile	6.45	41	27910	6.593	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	37487	4.440	ug/l	96
43) Isopropyl Acetate	9.24	43	29682	3.611	ug/l #	98
44) Trichloroethene	8.54	130	43722	4.320	ug/l	97
45) 1,2-Dichloropropane	8.93	63	32947	4.203	ug/l	100
46) Dibromomethane	9.06	93	21400	4.268	ug/l	95
47) Bromodichloromethane	9.38	83	48576	4.365	ug/l	97
48) Methyl methacrylate	9.12	41	18306	3.940	ug/l	95
49) 1,4-Dioxane	9.08	88	3542	74.271	ug/l #	92
51) 4-Methyl-2-Pentanone	10.29	43	105833	21.090	ug/l	99
52) Toluene	10.51	92	87566	4.613	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	44027	4.354	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	51243	4.132	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	27462	4.375	ug/l	92
56) Ethyl methacrylate	11.04	69	27790	4.218	ug/l #	88
57) 1,3-Dichloropropane	11.40	76	41937	4.622	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	84355	23.912	ug/l	100
59) 2-Hexanone	11.52	43	78338	22.246	ug/l	95
60) Dibromochloromethane	11.68	129	37843	4.173	ug/l	99
61) 1,2-Dibromoethane	11.80	107	30618	4.151	ug/l	93
64) Tetrachloroethene	11.25	164	34127	4.183	ug/l	97
65) Chlorobenzene	12.39	112	101714	4.304	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	35348	4.135	ug/l	96
67) Ethyl Benzene	12.52	91	161008	4.657	ug/l	96
68) m/p-Xylenes	12.66	106	131445	9.481	ug/l	99
69) o-Xylene	13.05	106	61427	4.764	ug/l	97
70) Styrene	13.07	104	98675	4.585	ug/l	99
71) Bromoform	13.24	173	20323	3.778	ug/l	94
73) Isopropylbenzene	13.40	105	173440	4.938	ug/l	98
74) N-amyl acetate	13.26	43	43078	4.057	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	29694	4.074	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	31045	4.191	ug/l	100
77) Bromobenzene	13.67	156	38473	4.168	ug/l	94
78) n-propylbenzene	13.77	91	200639	4.894	ug/l	97
79) 2-Chlorotoluene	13.84	91	111330	4.851	ug/l	98
80) 1,3,5-Trimethylbenzene	14.24	105	115778	4.266	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	7220	3.306	ug/l #	85
82) 4-Chlorotoluene	13.94	91	130493	5.063	ug/l	98
83) tert-Butylbenzene	14.19	119	137271m	4.544	ug/l	
84) 1,2,4-Trimethylbenzene	14.24	105	115778	4.266	ug/l	97
85) sec-Butylbenzene	14.37	105	177344	5.030	ug/l	97
86) p-Isopropyltoluene	14.49	119	145612	5.013	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	75496	4.812	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	75001	4.831	ug/l	99
89) n-Butylbenzene	14.80	91	130557	4.803	ug/l	96
90) Hexachloroethane	15.01	117	36420	4.349	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	63082	4.610	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	3403	3.974	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	25592	3.316	ug/l	100
94) Hexachlorobutadiene	16.03	225	20321	4.119	ug/l	95
95) Naphthalene	16.12	128	39592	3.320	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	12439	2.971	ug/l	95

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

