

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061301.D
 Acq On : 25 Mar 2019 13:57
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD032519

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:28:38 PM

Quant Time: Mar 26 07:49:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	847808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1357469	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1025095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	473915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	327517	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
35) Dibromofluoromethane	6.94	113	530026	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.42	98	1298280	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	13.56	95	463168	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	440385	50.805	ug/l	95
3) Chloromethane	1.77	50	376462	55.674	ug/l	98
4) Vinyl Chloride	1.87	62	331520	52.436	ug/l	97
5) Bromomethane	2.17	94	75684	58.979	ug/l	98
6) Chloroethane	2.29	64	112652m	56.637	ug/l	
7) Trichlorofluoromethane	2.55	101	484540	51.847	ug/l	98
8) Diethyl Ether	2.89	74	144426	51.975	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.17	101	501302	52.701	ug/l	94
10) Methyl Iodide	3.32	142	703310	52.924	ug/l	99
11) Tert butyl alcohol	4.07	59	95671	245.701	ug/l	98
12) 1,1-Dichloroethene	3.15	96	443183	54.146	ug/l	98
13) Acrolein	3.05	56	87860	206.142	ug/l	90
14) Allyl chloride	3.64	41	614198	52.898	ug/l	99
15) Acrylonitrile	4.21	53	335382	244.916	ug/l	97
16) Acetone	3.24	43	499809	285.667	ug/l	93
17) Carbon Disulfide	3.39	76	1401261	51.548	ug/l	99
18) Methyl Acetate	3.65	43	159073	48.100	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	691134	47.947	ug/l	99
20) Methylene Chloride	3.84	84	495493	49.898	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	459907	50.227	ug/l	96
22) Diisopropyl ether	5.14	45	1291763	52.812	ug/l	99
23) Vinyl Acetate	5.07	43	3260997	249.622	ug/l	99
24) 1,1-Dichloroethane	5.00	63	769486	53.985	ug/l	100
25) 2-Butanone	6.08	43	520542	257.225	ug/l	99
26) 2,2-Dichloropropane	6.04	77	599876	49.564	ug/l	99
27) cis-1,2-Dichloroethene	6.06	96	489263	49.652	ug/l	98
28) Bromochloromethane	6.46	49	286938	48.095	ug/l	93
29) Tetrahydrofuran	6.46	42	255671	253.821	ug/l	100
30) Chloroform	6.68	83	783478	51.582	ug/l	100
31) Cyclohexane	6.97	56	623306	53.878	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	678320	50.424	ug/l	99
36) 1,1-Dichloropropene	7.16	75	591122	53.224	ug/l	98
37) Ethyl Acetate	6.19	43	227466	49.034	ug/l	96
38) Carbon Tetrachloride	7.12	117	705562m	55.584	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	596087	51.822	ug/l	98
40) Benzene	7.47	78	1457783	52.851	ug/l	100
41) Methacrylonitrile	6.46	41	281182	52.161	ug/l	93
42) 1,2-Dichloroethane	7.59	62	442546	51.480	ug/l	98
43) Isopropyl Acetate	9.25	43	349677	52.279	ug/l #	97
44) Trichloroethene	8.55	130	558623	55.999	ug/l	99
45) 1,2-Dichloropropane	8.95	63	373383	54.847	ug/l	99
46) Dibromomethane	9.07	93	248527	53.258	ug/l	94
47) Bromodichloromethane	9.39	83	587172	53.684	ug/l	99
48) Methyl methacrylate	9.12	41	185189	51.873	ug/l	96
49) 1,4-Dioxane	9.08	88	43176	1102.266	ug/l #	96
51) 4-Methyl-2-Pentanone	10.30	43	1064659	267.384	ug/l	99
52) Toluene	10.52	92	982733	58.228	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	516179	54.304	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	637922	54.960	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	294227	52.510	ug/l	99
56) Ethyl methacrylate	11.05	69	320918	53.673	ug/l	98
57) 1,3-Dichloropropane	11.42	76	463873	54.816	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	747721	240.380	ug/l	97
59) 2-Hexanone	11.53	43	814734	281.728	ug/l	99
60) Dibromochloromethane	11.69	129	468174	53.347	ug/l	95
61) 1,2-Dibromoethane	11.81	107	348457	53.225	ug/l	99
64) Tetrachloroethene	11.27	164	400312	56.689	ug/l	97
65) Chlorobenzene	12.40	112	1031077	54.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	416015	56.830	ug/l	97
67) Ethyl Benzene	12.53	91	1692044	58.556	ug/l	99
68) m/p-Xylenes	12.68	106	1212515	107.496	ug/l	97
69) o-Xylene	13.05	106	596950	57.062	ug/l	98
70) Styrene	13.08	104	1019939	57.447	ug/l	97
71) Bromoform	13.24	173	243449	54.346	ug/l	99
73) Isopropylbenzene	13.41	105	1681953	54.565	ug/l	98
74) N-amyl acetate	13.27	43	425291	52.736	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	316271	52.910	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	317999	53.956	ug/l	100
77) Bromobenzene	13.67	156	482337	56.019	ug/l	90
78) n-propylbenzene	13.78	91	1957797	56.297	ug/l	96
79) 2-Chlorotoluene	13.85	91	1145911	56.593	ug/l	95
80) 1,3,5-Trimethylbenzene	14.24	105	1270319	52.240	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	99984	53.755	ug/l	100
82) 4-Chlorotoluene	13.96	91	1204590	54.418	ug/l	93
83) tert-Butylbenzene	14.19	119	1543697	55.600	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1270319	52.240	ug/l	98
85) sec-Butylbenzene	14.37	105	1715538	55.482	ug/l	97
86) p-Isopropyltoluene	14.50	119	1475230	53.478	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	803112	52.622	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	789467	53.401	ug/l	98
89) n-Butylbenzene	14.80	91	1270658	51.882	ug/l	97
90) Hexachloroethane	15.01	117	419096	56.664	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	640461	52.592	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40569	54.313	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	273861	48.693	ug/l	98
94) Hexachlorobutadiene	16.04	225	218104	48.128	ug/l	99
95) Naphthalene	16.12	128	394657	48.092	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	115830	44.095	ug/l	98

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

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