

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064091.D
 Acq On : 29 Oct 2019 16:21
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:36 AM

Quant Time: Oct 30 08:20:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	355745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	342684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177601	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	103736	54.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.64%	
35) Dibromofluoromethane	7.92	113	112228	51.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.56%	
50) Toluene-d8	10.34	98	451426	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.64	95	145866	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	53480	21.810	ug/l	90
3) Chloromethane	2.21	50	88365	21.599	ug/l	98
4) Vinyl Chloride	2.35	62	93721	21.125	ug/l	96
5) Bromomethane	2.76	94	58954	20.390	ug/l	97
6) Chloroethane	2.93	64	56029	20.333	ug/l	91
7) Trichlorofluoromethane	3.27	101	127366	20.854	ug/l	98
8) Diethyl Ether	3.71	74	20748	19.544	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	47943	21.783	ug/l	93
10) Methyl Iodide	4.29	142	51218	18.783	ug/l	99
11) Tert butyl alcohol	5.23	59	12399m	116.226	ug/l	
12) 1,1-Dichloroethene	4.06	96	42741	20.518	ug/l	93
13) Acrolein	3.93	56	11623	95.448	ug/l	93
14) Allyl chloride	4.70	41	51787	21.241	ug/l	99
15) Acrylonitrile	5.43	53	39463	100.635	ug/l	97
16) Acetone	4.17	43	36257	99.778	ug/l #	87
17) Carbon Disulfide	4.40	76	130969	20.460	ug/l	98
18) Methyl Acetate	4.73	43	21585	22.331	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	82821	19.594	ug/l	94
20) Methylene Chloride	4.96	84	54583	21.162	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	48359	20.681	ug/l	95
22) Diisopropyl ether	6.37	45	109266	20.236	ug/l	98
23) Vinyl Acetate	6.31	43	309614	104.609	ug/l #	93
24) 1,1-Dichloroethane	6.26	63	73292	20.101	ug/l	96
25) 2-Butanone	7.23	43	49795	99.123	ug/l	99
26) 2,2-Dichloropropane	7.21	77	66689	19.271	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	52746	20.159	ug/l	99
28) Bromochloromethane	7.56	49	19968	15.667	ug/l	90
29) Tetrahydrofuran	7.57	42	31750	108.294	ug/l	96
30) Chloroform	7.71	83	85233	20.428	ug/l	97
31) Cyclohexane	7.98	56	69252	19.495	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	78641	20.248	ug/l	96
36) 1,1-Dichloropropene	8.11	75	68184	20.455	ug/l	98
37) Ethyl Acetate	7.30	43	22024	21.465	ug/l #	87
38) Carbon Tetrachloride	8.10	117	75061	20.638	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85164	20.812	ug/l	97
40) Benzene	8.36	78	180428	19.849	ug/l	97
41) Methacrylonitrile	7.52	41	10185	17.201	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	50705	21.117	ug/l	99
43) Isopropyl Acetate	8.46	43	42446	20.470	ug/l	99
44) Trichloroethene	9.11	130	57691	20.939	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41757	19.822	ug/l	99
46) Dibromomethane	9.48	93	24912	19.635	ug/l	98
47) Bromodichloromethane	9.67	83	65079	20.332	ug/l	98
48) Methyl methacrylate	9.46	41	19759	20.606	ug/l	95
49) 1,4-Dioxane	9.47	88	6410	441.365	ug/l #	85
51) 4-Methyl-2-Pentanone	10.24	43	115913	102.683	ug/l	96
52) Toluene	10.41	92	128861	20.228	ug/l	94
53) t-1,3-Dichloropropene	10.63	75	60751	20.333	ug/l #	85
54) cis-1,3-Dichloropropene	10.09	75	70234	19.980	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	37245	20.705	ug/l	96
56) Ethyl methacrylate	10.67	69	37793	19.261	ug/l	95
57) 1,3-Dichloropropane	10.95	76	57239	19.240	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	78813	100.006	ug/l	98
59) 2-Hexanone	10.99	43	78180	94.178	ug/l	98
60) Dibromochloromethane	11.14	129	49196	20.150	ug/l	99
61) 1,2-Dibromoethane	11.25	107	35431	19.693	ug/l	96
64) Tetrachloroethene	10.88	164	52270	21.232	ug/l	94
65) Chlorobenzene	11.67	112	142358	20.105	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	51602	19.477	ug/l	97
67) Ethyl Benzene	11.75	91	255003	20.248	ug/l	99
68) m/p-Xylenes	11.85	106	198290	39.144	ug/l	97
69) o-Xylene	12.18	106	90217	19.515	ug/l	98
70) Styrene	12.20	104	159386	19.990	ug/l	100
71) Bromoform	12.37	173	28419	20.084	ug/l #	97
73) Isopropylbenzene	12.48	105	251747	20.398	ug/l	98
74) N-amyl acetate	12.29	43	43420	21.177	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	39652	20.384	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	23934m	20.056	ug/l	
77) Bromobenzene	12.77	156	61513	20.643	ug/l	99
78) n-propylbenzene	12.83	91	301189	20.825	ug/l	100
79) 2-Chlorotoluene	12.91	91	160976	20.764	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	214416	20.759	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	12111	20.726	ug/l	88
82) 4-Chlorotoluene	13.01	91	171553	20.709	ug/l	97
83) tert-Butylbenzene	13.23	119	186894	20.146	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	215047	20.725	ug/l	100
85) sec-Butylbenzene	13.41	105	262419	20.598	ug/l	99
86) p-Isopropyltoluene	13.52	119	244723	20.444	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	123771	20.727	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	118498	20.130	ug/l	97
89) n-Butylbenzene	13.85	91	228521	20.698	ug/l	99
90) Hexachloroethane	14.12	117	46492	20.745	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	104610	20.356	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5949	20.940	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	78093	21.140	ug/l	99
94) Hexachlorobutadiene	15.27	225	46103	21.354	ug/l	99
95) Naphthalene	15.41	128	130137	21.601	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	65616	20.507	ug/l	99

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

