

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063982.D
 Acq On : 16 Oct 2019 12:46
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:49:47 AM

Quant Time: Oct 16 14:07:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	188934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	295712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	291407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	154294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	88267	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.92	113	87916	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.34	98	382820	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.63	95	125992	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	24450	18.248	ug/l	97
3) Chloromethane	2.21	50	78407	18.943	ug/l	91
4) Vinyl Chloride	2.35	62	91628	21.159	ug/l	99
5) Bromomethane	2.76	94	56931	20.449	ug/l	94
6) Chloroethane	2.92	64	60253	21.039	ug/l #	86
7) Trichlorofluoromethane	3.27	101	129307	22.584	ug/l	95
8) Diethyl Ether	3.70	74	16669	18.138	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31950	20.159	ug/l	94
10) Methyl Iodide	4.29	142	37338	17.097	ug/l	97
11) Tert butyl alcohol	5.26	59	3842m	22.776	ug/l	
12) 1,1-Dichloroethene	4.06	96	29896	18.881	ug/l	90
13) Acrolein	3.91	56	8843	53.827	ug/l	84
14) Allyl chloride	4.71	41	51696	19.637	ug/l	99
15) Acrylonitrile	5.42	53	37994	93.773	ug/l	97
16) Acetone	4.17	43	40303	84.158	ug/l	95
17) Carbon Disulfide	4.40	76	99939	17.363	ug/l	98
18) Methyl Acetate	4.72	43	19035	20.322	ug/l #	81
19) Methyl tert-butyl Ether	5.49	73	68874	16.797	ug/l	94
20) Methylene Chloride	4.96	84	43728	18.694	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	39294	19.934	ug/l	93
22) Diisopropyl ether	6.36	45	103925	19.330	ug/l	97
23) Vinyl Acetate	6.31	43	298531	93.337	ug/l	100
24) 1,1-Dichloroethane	6.27	63	67290	20.319	ug/l	98
25) 2-Butanone	7.23	43	48201	84.929	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	58994	19.693	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	42537	19.065	ug/l	95
28) Bromochloromethane	7.54	49	19866	17.054	ug/l	98
29) Tetrahydrofuran	7.57	42	29764	89.849	ug/l	95
30) Chloroform	7.71	83	69223	19.245	ug/l	97
31) Cyclohexane	7.98	56	66221	21.946	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	62485	20.251	ug/l	98
36) 1,1-Dichloropropene	8.11	75	56083	20.743	ug/l	96
37) Ethyl Acetate	7.30	43	23038	18.757	ug/l #	78
38) Carbon Tetrachloride	8.10	117	57049	20.880	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	71253	21.433	ug/l	92
40) Benzene	8.36	78	159966	20.646	ug/l	96
41) Methacrylonitrile	7.51	41	7441	11.870	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	43652	19.476	ug/l	98
43) Isopropyl Acetate	8.46	43	40292	17.770	ug/l	99
44) Trichloroethene	9.11	130	47044	21.056	ug/l	98
45) 1,2-Dichloropropane	9.39	63	37248	19.640	ug/l	95
46) Dibromomethane	9.48	93	21298	19.719	ug/l	98
47) Bromodichloromethane	9.66	83	54378	19.555	ug/l	93
48) Methyl methacrylate	9.46	41	20716	19.068	ug/l	90
49) 1,4-Dioxane	9.47	88	6210	421.219	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	109756	93.333	ug/l	96
52) Toluene	10.40	92	108600	20.417	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	51100	18.832	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	59445	19.031	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	30463	19.976	ug/l	93
56) Ethyl methacrylate	10.66	69	35256	18.256	ug/l	96
57) 1,3-Dichloropropane	10.95	76	49929	19.135	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	74888	90.215	ug/l	99
59) 2-Hexanone	10.99	43	75255	88.467	ug/l	100
60) Dibromochloromethane	11.14	129	38937	19.612	ug/l	95
61) 1,2-Dibromoethane	11.25	107	28145	19.037	ug/l	93
64) Tetrachloroethene	10.88	164	40283	20.249	ug/l	91
65) Chlorobenzene	11.67	112	119107	20.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	43317	20.088	ug/l	97
67) Ethyl Benzene	11.75	91	214409	20.318	ug/l	97
68) m/p-Xylenes	11.86	106	171529	42.112	ug/l	100
69) o-Xylene	12.18	106	78116	20.029	ug/l	100
70) Styrene	12.20	104	129905	19.675	ug/l	98
71) Bromoform	12.36	173	20915	18.072	ug/l #	99
73) Isopropylbenzene	12.48	105	214561	20.686	ug/l	96
74) N-amyl acetate	12.29	43	39775	17.811	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	34598	19.169	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	24994m	24.186	ug/l	
77) Bromobenzene	12.76	156	50466	19.529	ug/l	98
78) n-propylbenzene	12.82	91	260433	21.391	ug/l	98
79) 2-Chlorotoluene	12.91	91	135782	20.226	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	186074	21.503	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	10117	17.324	ug/l	94
82) 4-Chlorotoluene	13.01	91	145862	20.482	ug/l	99
83) tert-Butylbenzene	13.23	119	155294	20.164	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	183038	20.517	ug/l	99
85) sec-Butylbenzene	13.40	105	221926	21.338	ug/l	100
86) p-Isopropyltoluene	13.52	119	212692	21.611	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	103051	20.182	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	104513	20.747	ug/l	99
89) n-Butylbenzene	13.85	91	200227	21.857	ug/l	98
90) Hexachloroethane	14.11	117	36245	20.477	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	90648	20.600	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5303	17.303	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	65151	19.188	ug/l	98
94) Hexachlorobutadiene	15.27	225	38832	20.725	ug/l	96
95) Naphthalene	15.41	128	106705	18.698	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	53846	18.381	ug/l	95

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

