

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000808.D
 Acq On : 27 Nov 2019 10:12
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:43 AM

Quant Time: Nov 27 12:08:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:00:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	326540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	560215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	496713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	227240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	19037	5.70	ug/l	0.00
Spiked Amount			Recovery	=	11.40%	
35) Dibromofluoromethane	7.73	113	17000	5.22	ug/l	0.00
Spiked Amount			Recovery	=	10.44%	
50) Toluene-d8	10.18	98	73111	5.90	ug/l	0.00
Spiked Amount			Recovery	=	11.80%	
62) 4-Bromofluorobenzene	12.48	95	28645	6.09	ug/l	0.00
Spiked Amount			Recovery	=	12.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	17893	5.516	ug/l	94
3) Chloromethane	2.12	50	22812	5.167	ug/l	91
4) Vinyl Chloride	2.25	62	21592	5.216	ug/l	96
5) Bromomethane	2.65	94	14930	5.952	ug/l	83
6) Chloroethane	2.80	64	14022	5.382	ug/l	94
7) Trichlorofluoromethane	3.13	101	29848	5.305	ug/l	91
8) Diethyl Ether	3.53	74	11085	5.476	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	17969	5.248	ug/l	97
10) Methyl Iodide	4.10	142	21473	5.296	ug/l	96
11) Tert butyl alcohol	4.96	59	8030	23.483	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	18003	5.457	ug/l	94
13) Acrolein	3.74	56	7834	26.493	ug/l	88
14) Allyl chloride	4.49	41	31511	5.740	ug/l	99
15) Acrylonitrile	5.17	53	26541	25.375	ug/l	95
16) Acetone	3.96	43	20497	22.843	ug/l	93
17) Carbon Disulfide	4.19	76	54984	5.207	ug/l	98
18) Methyl Acetate	4.48	43	20656	6.858	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	45682	4.918	ug/l	98
20) Methylene Chloride	4.72	84	21703	5.318	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	21702	5.764	ug/l #	86
22) Diisopropyl ether	6.13	45	64256	5.431	ug/l	98
23) Vinyl Acetate	6.07	43	158927	21.274	ug/l	98
24) 1,1-Dichloroethane	6.02	63	35013	5.446	ug/l	98
25) 2-Butanone	6.99	43	33250	22.040	ug/l	98
26) 2,2-Dichloropropane	6.99	77	30403	5.256	ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	21684	5.261	ug/l	95
28) Bromochloromethane	7.34	49	13317	5.382	ug/l	96
29) Tetrahydrofuran	7.35	42	22343	23.832	ug/l	96
30) Chloroform	7.51	83	38799	6.026	ug/l	98
31) Cyclohexane	7.78	56	40799	6.067	ug/l #	82
32) 1,1,1-Trichloroethane	7.71	97	28738	5.062	ug/l	98
36) 1,1-Dichloropropene	7.92	75	28506	5.305	ug/l	98
37) Ethyl Acetate	7.08	43	14907	4.631	ug/l #	95
38) Carbon Tetrachloride	7.90	117	24548	4.817	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	36806	5.302	ug/l	97
40) Benzene	8.16	78	81129	5.146	ug/l	97
41) Methacrylonitrile	7.32	41	9091	5.127	ug/l #	40
42) 1,2-Dichloroethane	8.24	62	21601	4.893	ug/l	100
43) Isopropyl Acetate	8.28	43	29243	4.841	ug/l	99
44) Trichloroethene	8.94	130	21484	5.187	ug/l	90
45) 1,2-Dichloropropane	9.22	63	20237	5.180	ug/l	93
46) Dibromomethane	9.30	93	10562	4.955	ug/l	94
47) Bromodichloromethane	9.50	83	24106	4.795	ug/l	97
48) Methyl methacrylate	9.29	41	12360	4.642	ug/l	98
49) 1,4-Dioxane	9.30	88	2717	93.028	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	69875	21.893	ug/l	97
52) Toluene	10.24	92	49454	4.972	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	23356	4.336	ug/l #	87
54) cis-1,3-Dichloropropene	9.93	75	30453	4.916	ug/l	93
55) 1,1,2-Trichloroethane	10.64	97	15537	5.029	ug/l	92
56) Ethyl methacrylate	10.52	69	18591	4.221	ug/l #	88
57) 1,3-Dichloropropane	10.79	76	26065	4.824	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	48926	25.613	ug/l	96
59) 2-Hexanone	10.83	43	49240	21.070	ug/l	93
60) Dibromochloromethane	10.99	129	15639	4.465	ug/l	96
61) 1,2-Dibromoethane	11.09	107	14252	4.810	ug/l	93
64) Tetrachloroethene	10.72	164	23178	5.580	ug/l	95
65) Chlorobenzene	11.52	112	52405	5.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	16709	4.766	ug/l	99
67) Ethyl Benzene	11.59	91	97146	5.193	ug/l	99
68) m/p-Xylenes	11.70	106	72691	10.111	ug/l	99
69) o-Xylene	12.03	106	32810	4.833	ug/l	98
70) Styrene	12.04	104	55013	4.742	ug/l	99
71) Bromoform	12.20	173	8763	4.340	ug/l #	100
73) Isopropylbenzene	12.33	105	89205	5.212	ug/l	98
74) N-amyl acetate	12.14	43	22797	4.649	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	15944	4.650	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	12103m	4.741	ug/l	
77) Bromobenzene	12.61	156	19554	5.053	ug/l	97
78) n-propylbenzene	12.67	91	109617	5.300	ug/l	99
79) 2-Chlorotoluene	12.75	91	63517	5.534	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	75460	5.310	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	5350	4.434	ug/l	86
82) 4-Chlorotoluene	12.86	91	64331	5.430	ug/l	98
83) tert-Butylbenzene	13.08	119	61790	5.098	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	76148	5.389	ug/l	98
85) sec-Butylbenzene	13.25	105	90965	5.274	ug/l	99
86) p-Isopropyltoluene	13.37	119	78291	5.101	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	39694	5.272	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	38465	5.108	ug/l	90
89) n-Butylbenzene	13.69	91	78560	5.171	ug/l	99
90) Hexachloroethane	13.96	117	13374	4.696	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	34715	5.078	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2764	4.599	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	23322	4.988	ug/l	100
94) Hexachlorobutadiene	15.11	225	11426	4.828	ug/l	90
95) Naphthalene	15.23	128	48657	4.641	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	21201	5.093	ug/l	96

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

